

Base Year Modification Request Certification**Part 1: Generation Study - No Extrapolation Diversion Data**

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name City of Gardena		County Los Angeles	
Authorized Signature		Title	
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Person Completing This Form (please print or type)		Title	
Affiliation:			
Mailing Address	City	State	ZIP Code
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:

1990

2. Proposed new generation-based study year:

2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The new generation number reflects the disposal and diversion activities in the year 2000. Since 1990, Gardena has implemented and maintained numerous diversion practices and continues to build long-term relationships, partnerships and approaches to reducing waste. Gardena is participating in the LAUDS Recycling and Education Working Group and has limited the number of haulers operating in the City - both activities has greatly enhanced control of reporting and influence levels. Beginning in 1995, Gardena has required all haulers to offer recycling to businesses. The City has also worked with local C&D inert facilities to promote recycling as part of South Bay

4. Enter diversion rate information below.

Diversion rate calculated using existing base year

a. -62 %

Diversion rate calculated using new generation-based study

b. 13 %

For existing base year pounds/person/day based on generation

9.64

For new generation based study pounds/person/day based on generation

16.17

Residential generation 25 % Non-Residential generation 75 %

Residential generation 12% % Non-Residential generation 88% %

Population existing generation-based study 49,841

Population new generation-based study 59,600

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The new diversion rate is the result of a detailed Waste Generation and Diversion Study. The study also reflects the numerous efforts Gardena has taken to reach their diversion goals, including measurement tools useful for tracking activities. Several new diversion programs, educational outreach, and technical assistance programs have been implemented in the City since 1990. The PARIS section of the Annual Report describes each of the programs implemented in the City. Gardena is committed to pursuing continued increases in waste diversion for further improving and expanding programs and other diversion opportunities.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The negative diversion rate indicates that the base year was not accurate. The disposal was severely underestimated and the self haul was not quantified. Diversion estimates did not include waste reduction practices and internal business recycling. Gardena has a comparatively small residential portion compared to its non-residential and multi-family sectors. Gardena has a franchised hauler only in its residential sector and had an open hauler policy in the commercial sector until only recently. This made it very difficult to obtain an accurate representation of recycling and diversion in the non-residential sector compounded with the issue of mis-reporting. An extensive business waste audit was conducted in 1999-2000 and a formal reporting system from all haulers is now in place. the default adjustment method does not accurately represent the impact of these and other diversion programs. the new base year study enabled the City to gain a clear understanding of the existing disposal and diversion activities. Gardena has also implemented a significant number of diversion programs since

7. Disposal Tonnage (enter values):

15446	137927	153373
Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmmb.ca.gov/LGCentral/Forms/rytmndrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmmb.ca.gov/LGCentral/Forms/rytmndrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Types (List operation with multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmmb.ca.gov/LGCentral/Para/Co-des/Reduce.htm	(A)	(ATTN: Generation)			
Residential Source Reduction Activities					
Backyard composting		0.0%			
Grasscycling					
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	0	0.0%			
Residential Recycling Activities					
Curbside Recycling	1199	0.7%	ONP, OCC, MP, glass containers, HDPE, PET, and aluminum and tin cans.	Actual Diversion from Franchise Hauler Reported Diversion	Waster Management Recycling Report, Hauler Records.
Buyback Centers	2798	1.6%	CRV containers	Actual Diversion from Department of Conservation Report.	Buy Back Center Tonnage Report, Department of Conservation.
Drop-off Centers	341	0.2%	ONP	Actual Diversion from recycling company.	Tonnage Report from Western Recycling Company.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation, multiple materials in one box)	Specific Conversion Factor (List if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.sanbernito.gov/LG/CarterParksCo					
Other Residential Recycling (list each program separately)		(Actual Generation)			
Bulky item collection	332	0.2%	White Goods and Bulky Items.	Actual Diversion from Franchise Hauler Reported White Goods and Bulky Item Diversion	Waste Management Recycling Report for once a year clean-up event, Hauler Records.
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	4670	2.7%			
Residential Composting Activities					
Green Waste Drop-off					
Curb-side Green Waste	1252	0.7%	grass and yard trimmings	Actual Diversion from Franchise Hauler Reported Diversion	Waste Management Recycling Report, Hauler Records.
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	1252	0.7%			
Subtotal, Residential Diversion	5922	3.4%			
Non-Residential Source Reduction					
Activities:	829	0.5%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Government Grasscycling					
School Source Reduction	242	0.1%	Grass clippings	7.61 tons per acre per year from California Turfgrass Culture Study.	Based on 29 acres of Gardena's parks with 75% mowable area and 10 acres of mowable medians. City Parks Department.
City Tire Recycling Program	581	0.3%	Grasscycling, Tire Recycling, and Various reuse and reduction activities	LAUSD Summary Reported Diversion. Used the ratio of Gardena students to LAUSD total students to estimate the portion of diversion from Gardena schools.	LAUSD Summary of Recycling and Source Reduction Activities. Office of Environmental Health and Safety.
City Tires Recapped	1	0.0%	City Tires Recapped	60 lbs per truck tire from USEPA	City of Gardena Vehicle Maintenance Records.
Subtotal, Non-Residential Source Reduction	1653	0.9%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specifying Material Type(s) (List quantities with multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
<p>Please Use the Board's program types. The program type glossary is online at: www.sanmb.ca.gov/LA/Central/Paris/Co/Res/Reduction</p>					
Recycling	9473	5.4%		See Section 9	See Section 9
Non-Residential Waste Audits*					
Other Non-Residential Recycling (list each program separately)					
School Recycling					
Abandoned Tire Recycling	431	0.2%	Paper, cardboard, concrete, juice cartons, trays, etc.	LAUSD Summary Reported Diversion. Used the ratio of Gardena students to LAUSD total students to estimate the portion of diversion from Gardena schools.	LAUSD Summary of Recycling and Source Reduction Activities, Office of Environmental Health and Safety.
Enter Program name	8	0.0%	Abandoned tires picked up and recycled	20 lbs per car tire and 60 lbs per truck tire from USEPA.	City of Gardena Vehicle Maintenance Division Records.
Enter program name					
Subtotal Non-Residential Recycling	9912	5.6%			
Non-Residential Composting					
Enter Program name					
Enter program name					
Subtotal Non-Residential Composting	472	0.3%		See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	472	0.3%			
Subtotal Non-Residential Diversion Residential/Non-Residential Diversion Activities	12037	6.8%			
ADC	663	0.4%	Greenwaste	Actual Weight from LA County Sanitation District Report.	Los Angeles County DRS Report. LA County Sanitation District.
Sludge					
Scrap Metal					
Construction and Demolition Landfill Salvage	3936	2.2%	Concrete and Asphalt	Actual Weight from LA County Sanitation District Report.	Los Angeles County DRS Report. LA County Sanitation District.
Subtotal Residential Non-Residential Diversion	4509	2.6%			
Total Res/Non-Res Source Reduction Tons	1653	0.9%			
Total Diversion Tons	22558	12.8%			
Total Disposal Tons from Sec.7	153373	87.2%			
Total Generation Tons (Div+Dis)	175931				

Diversion Activity	Actual Date	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Generation Factor (used if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at www.cmrh.ca.gov/LSCenter/FansCo/Designation.htm	AY	(Actual Generation)			
Diversion Rate	13%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities (Include Material Type e.g., paper recycling, grass recycling) (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Mail (M) Phone (P) On-site (O) Other _____
Food Manufacturer	112	Cardboard recycling, food waste used as animal feed, grease rendering, food donation, pallet repair, cardboard reuse, and paper reduction.	116	1882		1998.53	1.1%	O
Distribution Center	96	Newspaper recycling and cardboard reuse.	1	1664		1664.52	0.9%	O
Food Manufacturer	136	Cardboard, pallet, and tire recycling, grease rendering, food waste to animal feed, and pallet reuse.	4	510		513.81	0.3%	
Membership Grocery and Food Court	101	Cardboard recycling, grease rendering, and paper reuse and reduction.	0	499		499.48	0.3%	O
Grocery Store	135	Cardboard, paper and stretchwrap recycling; bone and meat rendering; food waste composting; paper reduction, toner cartridge reuse, and pallet reuse.						P
Grocery Store	53	Cardboard and plastic recycling, grease, fat, and bone rendering, and food waste composting.	6	282	168	455.38	0.3%	P
Grocery Store	190	Cardboard and plastic recycling, grease, fat, and bone rendering, food waste and plant composting, and food donations.	7	305	70	419.58	0.2%	O
General Retail	146	Cardboard recycling and food donations.	1	365		366.3	0.2%	O
Plumbing Distribution	21	Cardboard and paper recycling, and pallet reuse.	0	270		270.11	0.2%	
Department Store	171	Cardboard recycling, toner cartridge reuse, and paper reduction.						O
				263		263.48	0.1%	

Totals	136.27	6330.55	367.13	6833.95	3.9%
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Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

Cardboard Recycling - Businesses 112, 136, 101, 135, 53, 190, 146, 21, and 171
Business 112 reported that they recycle 36 bales of cardboard every two and a half months. They reported that the bales of cardboard weigh 500 lbs each.
Business 136 reported that they recycle 2,000 lbs of cardboard per week.
Business 101 reported that they recycle 25 bales per week, with the bales weighing 700 lbs each.
Businesses 135 and 53 The amount was reported by the businesses recycler.
Business 190 reported that they recycle 14 bales of cardboard per week, with the bales weighing 700 lbs each.
Business 146 reported that they recycle 2 bales per day, with the bales weighing 1,000 lbs each.
Business 21 reported that they recycle an average of 21.33 tons of cardboard per month based on sales receipts.
Business 171 reported that they recycle 14 bales of cardboard per week on regular weeks and 17 bales per week during the 8 week holiday season, with the bales weighing 700 lbs each.

Paper and Newspaper Recycling - Businesses 96, 135, and 21
Business 96 reported that they recycle four 40 cubic yard bins of newspaper each week. A conversion factor of 400 lbs per cubic yard was used.
Business 135 reported the amount of paper they recycle per year.
Business 21 reported that they recycle an average of 1.14 tons per month bases on sales receipts.

Pallet Recycling - Business 136
Business 136 reported that they recycle 400 pallets per week. A conversion factor of 40 lbs per pallet was used.

Tire Recycling - Business 136
Business 136 reported that they recycle 200 tires per year. A conversion factor of 60 lbs per truck tire was used.

Plastic and Stretchwrap Recycling - Businesses 135, 53, and 190
Businesses 135 and 53 The amount was reported by the businesses recycler.
Business 190 reported that they recycle 4.5 bags per day of plastic bags and stretch wrap, with the bags weighing 25 lbs each.

Food Waste Used as Animal Feed - Businesses 112 and 136
Business 112 reported that they send 150 tons per month of food waste to animal feed.
Business 136 reported that they send 3 cubic yards of spoiled food to animal feed per month. A conversion factor of 1,443 lbs per cubic yard was used.

Bone, Fat, meat scrap, and Grease Rendering - Businesses 112, 136, 101, 135, 53, and 190
Business 112 used the actual records supplied by the business that collects the grease for rendering to report the amount of grease rendered per year.
Business 136 reported that they recycle four 55 gallon barrels of grease per month. A conversion factor of 410 lbs per 55 gallons was used.
Business 101 reported that they recycle one 55 gallon barrel of grease once a week and 750 gallons from the grease trap once a month. A conversion factor of 7.45 lbs per gallon was used.

Businesses 135 and 53 The amount was reported by the businesses recycler.
Business 190 reported that they send three 55 gallon barrels of grease to rendering per week and three barrels of bones and meat scraps to a rendered per week. Conversion factors of 7.45 lbs per gallon of grease and 100 lbs per barrel of bones and meat scrap were used.

Food waste composting - Businesses 135, 53, and 190

Businesses 135 and 53 The amount was reported by the businesses recycler.

Business 190 reported that they send 10 pallets of food and plant waste to composting, with the pallets weighing 270 lbs each.

Food Donations - Businesses 112, 190, and 146

Business 112 reported that they donate 260 cases per month, with cases weighing 2 lbs each.

Business 190 reported that they donate approximately 40 loaves of bread per day. A conversion factor of 1 lb per loaf was used.

Business 146 reported that they donate approximately 20 loaves of bread 2.5 times per week. A conversion factor of 1 lb per loaf was used.

Pallet Repair and Reuse - Businesses 112, 136, 135, and 21

Business 112 reported that they repairer 100 pallets per week for reuse. A conversion factor of 40 lbs per pallet was used.

Business 136 and 135 reported that they have 200 pallets in the system that they reuse. A conversion factor of 40 lbs per pallet was used.

Business 21 reported that they have 20 pallets in the system being reused. A conversion factor of 40 lbs per pallet was used.

Paper Reuse and Reduction - Businesses 112, 101, 135, and 171

Business 112 reported that they save 1950 pieces of paper per month through electronic time cards and 27,300 pieces of paper per month through direct faxing from the computer without having to print on paper first. A conversion factor of 0.01 lbs per piece of paper was used.

Business 101 reported that they reuse 750 left over circulars per month, with the 3 page circulars weighing 0.06 lbs each. The business also reported that they make double sided copies of their paper work and invoices. A conversion factor of 5 lbs per ream was used.

Businesses 135 estimates that it reduced its paper waste by 25% through computer files. The total tonnage was calculated by calculating 25% reduction to the businesses paper recycling reported tonnage.

Business 171 reported that they save 20 boxes of paper per year through the use of on-line reports, with boxes of paper weighing 25 lbs each.

Cardboard Reuse - Businesses 112 and 96

Business 112 reported that they reuse 3,000 large boxes per year. They reported that the boxes weigh 5 lbs each.

Business 96 reported that they reuse 20 lbs of cardboard skid sheets per week.

Toner Cartridge Reuse - Businesses 135 and 171

Businesses 135 and 171 reported that they return for reuse 2 toner cartridges per month. A conversion factor of 2.5 lbs per printer cartridge was used.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Pull Down for Waste Types ▼	See Attachment 10		
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
White Goods ▼	Bulkey Item Collection	332
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼	See Attachment 10			
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Attachment 10, Restricted Waste

a. Diversion programs that started on or after January 1, 1990.

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids	Landfill Salvage	1991	3,936
Scrap Metal	Business # 80	2000	0.53
Scrap Metal	Business # 122 (Recycling)	1993	1.2
Scrap Metal	Business # 122 (Source Reduction)	1991	1.31
Scrap Metal	Business # 138	1993	0.05
Scrap Metal	Business # 159	1992	4.8
Scrap Metal	Business # 197	1997	2.5
Scrap Metal	Business # 199	1991	0.3

d. Diversion programs that started before January 1, 1990.

Restricted Waste Type	Specific Program Name	New Base Year Tonnage	1990 Diversion Tonnage	Difference
Scrap Metal	Business # 7	140.87	119.74	21.13
Scrap Metal	Business # 44	0.9	0.81	0.09
Scrap Metal	Business # 46	2.95	2.36	0.59
Scrap Metal	Business # 63	60.4	48.32	12.08
Scrap Metal	Business # 126	152.14	91.28	60.86
Scrap Metal	Business # 152	1.8	1.26	0.54
Scrap Metal	Business # 160	6.9	1.72	5.18
Scrap Metal	Business # 188	20	10	10

Board Meeting January 14-15, 2003

Agenda Item Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF Bsn	Activity Description	EMP	Source	Reduction	Diversion (Weight in pounds)	Recycling	SR	Metals	R	Restricted Pym Began or Ag or Ag	Inerts	Composting	Material Type Conversion Factor (category)	Source	per year	per year
#	Type	#											(Weight per count)			
1	burning & milling	2	212												212	0.11
	OCC reuse		132												132	0.07
	pallet SR - 1/mo		80												80	0.04
2	precision slitting	36	20,810			393,758									414,568	207.28
	pallet repair - 10Wk		20,800												20,800	10.40
	OCC recycling					7,800									7,800	3.90
	tag paper recycling					155,844									155,844	77.92
	loner cartridge return		10			4,114									10	0.01
	paper core to neighbor bins					16,000									16,000	2.06
	tab rolled ends recycling					210,000									210,000	8.00
	all plastics recycling															105.00
3	team products mfg	30	3,475			282,221									285,696	142.65
	OCC reuse		2,600												2,600	1.30
	paper recycling					1,321									1,321	0.66
	paper recycling end of year					100									100	0.05
	polyurethane foam recycling					280,800									280,800	140.40
	pallet SR - 10Wk		800												800	7.5
	loner cartridge return		75												75	0.04
4	soil stabilization	20	47,840			8,980									57,820	28.92
	paper recycling					260									260	0.13
	plastic drum recycling					30									30	0.02
	pallet recycling - 20/mo					9,600									9,600	4.80
	pallet return to retail store - 18Wk		37,440												37,440	18.72
	wood and plywood reuse		10,400												10,400	5.20
	lites recycling		100												100	0.05
5	flower shop	1				132									132	0.07
	OCC recycling															0.07
6	export packing	10	NO ALLOWABLE R or SR													
7	sheet metal fabrication	20	6,240												6,240	3.12
	pallet SR - 3Wk															
	metal recycling															
8	export used clothing	20	3,168			24,000									24,000	12.00
	pallets recycling - 50-60/mo					24,000									24,000	12.00
	eliminated OCC boxes		3,168													
9	magazine dist.	10	8,000			24,000									32,000	16.00
	paper recycling															
	pallet return - 100Wk		8,000												8,000	4.00
10	fabrik knit mfg	20	468			10,400									12,868	6.43
	OCC recycling															
	paper reduction due to online & scd		468												468	0.23
	pallet recycling - 50/Yr					2,000									2,000	1.00
11	paper sheet & SR for pkg	100	31,720												31,720	15.86
	OCC recycling		5,720												5,720	2.86
	paper reuse - 10Wk		20,800												20,800	10.40
	metal recycling															0.00
12	engineering	120	11,596			2,717									14,313	7.16
	paper recycling					2,600									2,600	1.30
	paper reduction by viewing onscreen reports					117									117	0.06
	OCC reuse		3,276												3,276	1.64
	pallets reuse - 4Wk		8,320												8,320	4.16
13	auto parts store	8.5	485			6,447									6,447	3.27
	OCC recycling															
	pallet return - 6Wk		480												480	0.24
	loner cartridge return		5												5	0.00
14	paper drawing and reproduction com	75	24,000			266,600									289,600	144.80

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF	Bsn	Activity Description	EMP #	Source Reduction	Recycling	Metals	Inerts	Restricted	Year	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type				Diversion (weight in pounds)	SR	R	Prgm Began	M/ln/Ag	SR	R	or Agor Ag			
15	tile intg	OCC recycling	60	104,000	104,000	0	0	0	0	0	0	0	Business	104,000	\$2.00
		blueprint paper recycling			120,000								Business	120,000	60.00
		Donated clothing		41,800	41,800								USEPA	41,800	20.80
		pallet return - 300/mo		24,000									USEPA	24,000	12.00
		pallets recycling - 10/day		104,000	25,740	0	0	0	0	0	0	0	USEPA	129,740	64.87
		OCC recycling		104,000	25,740								USEPA	104,000	52.00
16	ice cream store	OCC recycling	5	8,580	8,580	0	0	0	0	0	0	0	USEPA	8,580	4.29
		OCC recycling - s			8,580								USEPA	8,580	4.29
17	hotel	soap buckets back to vendor	7	174	174	0	0	0	0	0	0	0	USEPA	174	0.09
		retail clothing		174									USEPA	174	0.09
18	retail clothing	OCC recycling - s	4	7,800	7,800	0	0	0	0	0	0	0	USEPA	7,800	3.90
		OCC recycling - s			7,800								USEPA	7,800	3.90
19	video rental/sales	OCC recycling - s	14	1,169	3,276	0	0	0	0	0	0	0	USEPA	4,445	2.22
		OCC reuse		1,092									USEPA	1,092	0.55
		OCC recycling - s			3,276								USEPA	3,276	1.64
		PS packaging reuse		62									USEPA	62	0.03
		toner cartridge return		15									USEPA	15	0.01
20	rebel - products	OCC recycling - s	11	740	13,884	0	0	0	0	0	0	0	USEPA	14,624	7.31
		OCC recycling - s			13,884								USEPA	13,884	6.94
		reuse newspaper (wrap glass)		260									USEPA	260	0.13
		pallet SR - 6-8/wk		480									USEPA	480	0.24
21	plumbing distribution	OCC recycling	47	539,429	539,429	0	0	0	0	0	0	0	Business	540,229	270.11
		OCC recycling			512,000								Business	512,000	256.00
		WL recycling		27,429									Business	27,429	13.71
		pallet reuse - 10/wk		800									USEPA	800	0.40
22	fire store	fire retread/recycled (truck)	4	15,000	15,000	0	0	0	0	0	0	0	USEPA	15,000	7.50
		fire retread/recycled (car)			5,400								USEPA	5,400	2.70
		fire retread/recycled (car)			9,600								USEPA	9,600	4.80
23	restaurant	NO ALLOWABLE ACTIVITIES	30										USEPA		
24	restaurant	OCC reuse	8	4,680	4,680	0	0	0	0	0	0	0	USEPA	4,680	2.34
		recycle wine bottles			4,680								USEPA	4,680	2.34
25	body shop	OCC recycling - s	12	2,600	2,600	0	0	0	0	0	0	0	USEPA	2,600	1.30
		OCC recycling - s			2,600								USEPA	2,600	1.30
26	rice food	pallet return - 3/wk	45	11,914	11,914	0	0	0	0	0	0	0	USEPA	11,914	5.96
		paper reuse - scratch		240									USEPA	240	0.12
		OCC reuse		5,720									USEPA	5,720	2.86
		OCC displaced by tote use		5,720									USEPA	5,720	2.86
		OCC displaced by tote use		114									USEPA	114	0.06
27	street sweeping/maint	OCC recycling	17	27,400	27,400	0	0	0	0	0	0	0	USEPA	27,400	13.70
		paper recycling			320								USEPA	320	0.16
		metal recycling											USEPA		
		pallet SR - 1/mo		80									USEPA	80	0.04
		fire recycling											Business		
28	church/school	OCC reuse	94	585	1,820	0	0	0	0	0	0	0	USEPA	2,405	1.20
		newspaper recycling			1,820								USEPA	1,820	0.91
		OCC reuse		485									USEPA	485	0.23
		Donated clothing		120									Business	120	0.06
29	fast food	OCC reuse	20	420	44,272	0	0	0	0	0	0	0	USEPA	44,692	22.35
		grease recycling			11,440								USEPA	11,440	5.72
		pallet return - 2-3 @ 2/wk		420									USEPA	420	0.21
30	logistics, distribution and storage	OCC recycle	70	16,025	6,000	0	0	0	0	0	0	0	Business	22,025	11.01
		pallet SR - 200 daily			6,000								USEPA	6,000	3.00
													USEPA	16,000	8.00

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF	Bsn	Activity Description	EMP	Source	Diversion (weight in pounds)	Recycling	SR	Metals	R	Restricted	Inerts	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type		#	Reduction						Pym Began	or Agor		(category)	(weight per count)			
31	restaurant	toner cartridge return	53	0	13,000	0	0	0	0	0	0	0	other	2.5 lbs/each	USEPA	25	0.01
		OCC recycling			13,000								paper	250 lbs/wk	Business	13,000	6.50
32	family recdly		50	800	5,840	0	0	0	0	0	0	0	paper	50lbs/cu.yard	USEPA	6,640	3.32
		OCC reuse			5,720								paper	1.1 lbs/sm box	USEPA	5,720	2.86
		pallet recycling - 3/yr			120								other org	40 lbs/pallet	USEPA	120	0.06
		donated clothing		800									other org	225 lbs/cy	Tellus	800	0.40
33	service station	recycle paper	110	1,803	5,420	0	0	0	0	0	0	0	paper	25.41 lbs/33 gal	USEPA	7,223	3.61
		OCC recycling			1,220								paper	125 lbs @ 24/mo	Business	1,220	0.61
		OCC reuse			3,000								paper	50.08 lbs/cy	Tellus	3,000	1.50
		scrap metal recycle		1,803									metal	906 lbs/cy	USEPA	1,803	0.90
34	restaurant	pallet recycling - 10 @ 3x/yr	6	0	1,200	0	0	0	0	0	0	0	other org	40 lbs/pallet	USEPA	1,200	0.60
		OCC recycling - s			5,521								paper	2.2 lbs/sm box	USEPA	5,521	2.76
		grease recycling			601								other org	410 lbs/55 gal	USEPA	4,920	2.46
35	locked facility	security shredding co. recycles	155	79,456	300	0	0	0	0	0	0	0	paper	25 lbs/box	Business	79,756	39.88
		washable diapers for 2 pks			300								other	9 oz/ea (wet)	Business	300	0.15
36	designer closets mfg.	OCC reuse	92	25,558	0	0	0	0	0	0	0	0	paper	80% of 20-30 lbs/w	Business	79,456	39.73
		paper SR - redesign production job			182								paper	6 lbs/stream	USEPA	4,576	2.29
		at extrusion		20,800					960				paper	200 lbs/ 2-3 mo	Business	960	0.48
		pallet reuse - 10/wk in & reuses			5,460	0	0	0	0	0	0	0	other org	40 lbs/pallet	USEPA	20,800	10.40
37	rebuilt gas nozzles & recovery sys	OCC recycling - s	30	0	680								paper	1.1 lbs/sm box	USEPA	5,460	2.73
		metal recycling			4,800			40,400					metal	200 lbs/wk	Business	10,400	5.20
		pallet recycling - 10/mo			15,401	0	0	0	0	0	0	0	other org	40 lbs/pallet	USEPA	4,800	2.40
38	wholesale fish	WL recycling	23	56,819	1,321								paper	25.41 lbs/33 gal	USEPA	72,220	36.11
		OCC recycling - s			11,440								paper	1.1 lbs/sm box	USEPA	11,440	5.72
		OCC reuse			5,339								paper	1.1 lbs/sm box	USEPA	5,339	2.67
		pallet recycling 5-6/mo			2,640								other org	40 lbs/pallet	USEPA	2,640	1.32
39	plastic mfg. - sheet, rod & tube	OCC displaced by tote use		51,480									paper	1.1 lb/box displaced	USEPA	51,480	25.74
		OCC recycling - s	29	41,600	238	0	0	0	0	0	0	0	paper		USEPA	41,600	20.80
		paper recycling			100								paper	50 lbs/cy	USEPA	100	0.05
		pallet reuse - 20/wk		41,600	138								paper	25 lbs/box	USEPA	138	0.07
40	rest. eqpt. wholesale retail	OCC reuse	7	1,694	5,200	0	0	0	0	0	0	0	other org	40 lbs/year	USEPA	41,600	20.80
		OCC recycling - s			1,040								paper	2.2 lbs/sm box	USEPA	6,894	3.45
		WL reuse as packaging			300								paper	4 lbs/box	USEPA	1,040	0.52
		plastic bubble wrap reuse		230									paper	50 lbs/box	Business	300	0.15
		pallet recycling 2/wk			4,160								plastic	1.5 lbs/33 gal	USEPA	250	0.12
41	concrete	reuse OCC	3	742	260	0	0	0	0	0	0	0	other org	40 lbs/pallet	USEPA	4,160	2.08
		ONP recycling - s			572								paper	2.2 lbs/sm box	USEPA	1,002	0.50
		toner cartridge return			10								paper	1 lb/ea	USEPA	572	0.29
		pallet SR - 2/wk			160								other	2.5 lbs/ea	USEPA	260	0.13
42	die casting	OCC reuse	13	6,896	0	0	0	0	0	0	0	0	other org	40 lbs/ea in system	USEPA	10	0.01
		pallet SR - 20/wk			5,096								paper	0.5, 1.0 & 1.1 lb/box	Business	6,896	3.35
		OCC recycling			1,600								other org	40 lbs/ea in system	USEPA	5,096	2.55
43	sewing factory/M-F	OCC recycling	30		300	0	0	0	0	0	0	0	paper	25 lbs/mo	Business	1,600	0.80
		MP recycling			480								paper	700 lbs/mo	USEPA	300	0.15
		sent to metal recycler			1,236								metal	75 lbs /mo x12	Business	108,480	54.24
										176	25% increase from 1990					1,296	0.65

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF #	Ben Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)		Metals	Year Restricted Prgm Began or M/In/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	in Pounds		per year
					Recycling	SR								60,000	48,000	
		sawdust recycling			60,000						other org	375lbs/cy	Tellus	60,000		30.00
		wood scrap to pallet makers			48,000						other org	24 TPY	Business	48,000		24.00
45	property mgmt	pallet return 5-6/mo	23	480							other org	40 lb/ea in system	USEPA	480		0.24
				2,400										2,400		1.20
		paper reports now on computer		2,400							paper	5 lbs/ream	USEPA	2,400		1.20
46	dist. Whse / metal templates	OCC recycling	9	2,400	7,800						paper	150 lbs/wk	Business	7,800		3.90
		pallet return - 20-30/wk		2,400	9,600						other org	40 lb/ea in system	USEPA	9,600		4.80
		pallet recycling - 20/mo		2,400	9,600						other org	40 lb/ea in system	USEPA	9,600		4.80
		metal recycling - steel & aluminum scrap									metal	4250 lbs 2x3 yr	Business	1,170		0.59
47	offset printer		6	2,400	24,232						paper	100 lbs / every 2 wk	Business	20,800		10.40
		paper recycling			20,800						paper	2.2 lbs/med box	USEPA	3,432		1.72
		OCC recycling - s		2,400	3,432						other org	40 lb/ea in system	USEPA	2,400		1.20
		pallets returned - 30/mo		2,400							metal	500 lbs/yr	Business	0		-
48	plastic recycling		4	0	30,000						paper	400-500 lbs/wk	Business	6,000		3.00
		OCC recycling			6,000						other org	40 lbs/pallet	USEPA	24,000		12.00
		pallet recycling - 50/mo			24,000						paper	1.1 lb/sm box	USEPA	4,300		2.15
49	restaurant / beer wine only		30	296	4,004						plastic	1.91 lb/bucket	USEPA	296		0.15
		OCC recycling - s		296	4,004						paper	2.2 lbs/med box	USEPA	458		0.23
50	commercial loans		7	458							paper	8 lbs/33 gallon	USEPA	508		0.25
		OCC reuse		458							paper	8 lbs/33 gallon	USEPA	1,737		0.87
51	bank	shredded security recycling	10	0	508						paper	8 lbs/33 gallon	USEPA	416		0.21
		shredded security recycling			416						paper	25.41 lbs/33gallon	USEPA	1,321		0.66
52	custom upholstery	mixed paper recycling	2	0	1,321						plastic	10 lbs/3 wks	Business	173		0.09
		foam scraps recycling			173						paper	257.88 tons/yr	recycler	839,160		419.58
53	grocery		35	10,000 (21,360.00)	581,300						other org	27.14 tons/yr	recycler	515,720		257.86
		Paper Recycling			515,720						plastic	5.65 tons/yr	recycler	54,280		27.14
		Bones/Fat Rendering			54,280						paper	128.93 tons/yr	recycler	11,300		5.65
		Film Plastic Recycling			11,300						paper	1.1 lbs./sm. Box	USEPA	257,860		128.93
		food composting									other org	40 lbs./pallet	USEPA	0.00		0.00
		Plastic Tote Replace Cardboard Box		0.00	9,360						other org	40 lbs./pallet	USEPA	0.00		0.00
		Plastic Pallet Use		0.00	6,000						other org	40 lbs./pallet	USEPA	0.00		0.00
		Wood Pallet Reuse		0.00	46,000						paper	35 lbs./12' stack	USEPA	758		0.38
54	food services		2	758							paper	2.2 lbs/med box	USEPA	4,680		2.34
		Newspaper S/R		800	4,680						other org	40 lbs/ea in system	USEPA	800		0.40
55	liquor store		6	800	4,680						paper	1.1 lbs/sm box	USEPA	26		0.01
		OCC recycling - s			4,680						paper	5 lbs/ream	USEPA	120		0.06
		pallet return - 10/wk		800							paper	25.41 lbs/33gallon	USEPA	440		0.22
56	machine supply for construction		7								paper	1 lb/ea	EcoTel Field Study	52		0.03
57	hotel		11								paper	3 lbs/10 units	USEPA	36		0.02
58	church		7	28	646						paper	2.2 lbs/med box	USEPA	109		0.05
		OCC reuse		26							glass	30 lbs/ea	Field estimate	540		0.27
		OP recycling			120						metal	1/55gal/wk x 226.5	USEPA	129,558		64.78
		MP recycling			440						other	20 lbs/ea	USEPA	240		0.12
		Newspaper recycling			52									3,961		1.98
		Magazine recycling			36											
59	body shop		12	790	109											
		OCC recycling			109											
		glass windshields reuse		540												
		scrap metal recycle														
		litter retreat		240												
60	bowling alley / restaurant		32	3,961												

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)	Recycling	Metals	Year Restricted Pym Began or Agor Ag	Inerts	Composting	Material Type Conversion Factor (category) (weight per count)	Source	in Pounds per year	in Tons per year
		loner cartridge return		5								USEPA	5	0.00
		duplex copy/ing		286							paper	USEPA	286	0.14
		donate bowling pins to police		1,013							3 lbs 6 oz	Business	1,013	0.51
		emp takes food scrap home 4 pets		2,657							30 lbs/33 gal	Cotter Field 5/04	2,657	1.33
61		car dealer	140	0	20,523	0	0	0	0	0		USEPA	20,523	10.26
		OCC recycling			7,800						50 lbs/cy	USEPA	7,800	3.90
		MP recycling (weekly)			9,451						363.5 lbs/cy	USEPA	9,451	4.73
		MP recycling (end of year)			3,272						363.5 lbs/cy	USEPA	3,272	1.64
62		medical plaza	9	0	6,527	0	0	0	0	0		Tellus	6,527	3.26
		OCC recycling - s			6,057						16.64 lbs	Tellus	6,057	3.03
		security shredding recycled			470						8 lbs/33 gallon	USEPA	470	0.23
63		bleed-filling & polishing	27	0	15,344	0	0	0	0	0		Tellus	38,504	19.75
		OCC recycling			3,906						50.08 lbs/cy	USEPA	9,438	4.72
		MP recycling			9,438						363.50 lbs/cy	USEPA	24,160	12.08
		scrap metal recycling			2,000						905 lbs/cy	USEPA	2,000	1.00
		pallet return - 25/wk			2,000						40 lbs/cy in system	USEPA	1,312	0.66
64		self storage	2.5	855	456	0	0	0	0	0		USEPA	288	0.14
		OCC recycling - lg box			288						2.2 lbs/sm box	USEPA	158	0.08
		OCC recycling - med box			158						5 lbs/sm box	USEPA	21	0.01
		duplex & scratch			21						1.9 lbs/cy	USEPA	34	0.02
		plastic bucket reuse			34						40 lbs/pallet	USEPA	800	0.40
		pallets to employees - 20/yr			800						2.5 lbs/cy	USEPA	10	0.01
		loner cartridge return			10							USEPA	238,720	119.36
65		full production bakery	80	30,720	208,000	0	0	0	0	0		Field estimate	208,000	104.00
		OCC recycling			1,600						500 lbs/cy	USEPA	1,600	0.80
		pallet return - 20/wk			29,120						40 lbs/cy in system	USEPA	87,100	43.55
		food donations			3,900						50 lbs/cy	USEPA	83,200	41.60
66		sales service the	7	0	67,100	0	0	0	0	0		metal	906 lbs/cy	1.95
		OCC recycling			3,900						20 lbs/cy	USEPA	83,200	41.60
		metal recycling			83,200						50.08 lbs/cy	USEPA	200	0.10
		the recycling			200						50.08 lbs/cy	USEPA	100	0.05
67		thrift store	15	500	600	0	0	0	0	0		USEPA	400	0.20
		OCC recycling			400						40 lbs/cy in system	USEPA	979	0.49
		pallet reuse			458						2.2 lbs/sm box	USEPA	458	0.23
68		furniture mfg	7	978	0	0	0	0	0	0		USEPA	520	0.26
		OCC Reuse			520						5 lbs/cy	USEPA	550	0.28
		W/L Reuse			550						1.1 lbs/sm box	USEPA	104,800	52.40
69		video	13	550	0	0	0	0	0	0		USEPA	104,800	52.40
		OCC reuse			0						ton/wk	Business	354,030	177.02
70		landscaping	3	0	0	0	0	0	0	0		Business	104,800	52.40
		greenwaste recycling			26,000						1/2 T every other w	Business	26,000	13.00
71		retail home improvement	120	120,030	234,000	0	0	0	0	0		USEPA	120,000	60.00
		OCC recycling			208,000						40 lbs/cy	USEPA	208,000	104.00
		pallet return - 3000/wk			30						2.5 lbs/cy	USEPA	51,728	25.86
		loner cartridge return			50,528						16.64 lbs/cy	USEPA	50,528	25.26
72		cafeteria	73	1,200	60,528	0	0	0	0	0		USEPA	1,200	0.60
		OCC recycling s			24,624						57 lbs/cy	FEECO	24,624	12.31
		pallet SR - 10-15/day			13,714						1.1 lbs/sm box	USEPA	1,716	0.86
		grease recycling			48						12" / 12 lbs	USEPA	48	0.02
73		food storage & dist	24	1,764	13,714	0	0	0	0	0		USEPA	13,714	6.88
		OCC reuse			13,714						40 lbs/pallet	USEPA	13,714	6.88
		W/L reuse			48									
		pallet recycling - 100/3-4mo			13,714									

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed
Division (weight in pounds)

REF #	Bsn	Activity Description	EMP #	Source Reduction	Recycling	Metals	Restricted Pym Began or Agor Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
74		service hair cutting scissors	8	983	0	0	0	0	0	paper	1.1 lbs/sm box	USEPA	983	0.49
		OCC reuse		429						paper	5 lbs/ream	USEPA	429	0.21
		duplexing		384						paper	40 lbs/pallet	USEPA	384	0.19
		pallet SR - 4yr		160						other org	2.5 lbs/ea	USEPA	160	0.08
		toner cartridge return		10						other	2.5 lbs/ea	USEPA	10	0.01
75		aerospace parts	60	5,179	0	0	0	0	0	paper	2.2 lbs/med box	USEPA	5,179	2.59
		OCC reuse		440						paper	8 lbs/33gal	USEPA	440	0.22
		shredded paper		416						paper	40 lbs/pallet	USEPA	416	0.21
		pallet reuse - 2wk in & out		4,160						plastic	15 lbs/55 gal drum	coTel Field Stud	4,160	2.08
		plastic drum reuse		150						other	2.5 lbs/ea	USEPA	150	0.08
		toner cartridge return		13						paper	2.2 lbs/med box	USEPA	13	0.01
76		card store / gifts	2.5	1,001	0	0	0	0	0	paper	1.1 lbs/sm box	USEPA	1,001	0.50
		OCC reuse - sm		715						paper	2 lbs /wk	Business	715	0.36
		paper reuse		104						plastic reuse	3.5 lbs / week	Business	104	0.05
		polystyrene pkg reuse		182						paper	100 lbs / wk	Business	182	0.09
77		inf. Pkg. Material & Equip.	11	213,200	0	0	0	0	0	paper	40 lbs/pallet	USEPA	213,200	106.60
		OCC recycling		5,200						other org	25 lbs / wk	USEPA	5,200	2.60
		pallet recycling - 100/wk		208,000						paper	5 lbs /wk	coTel Field Stud	208,000	104.00
78		inf. & assembly of bearings	15	1,413	0	0	0	0	0	metal	2.2 lbs/ea	USEPA	1,413	0.71
		less 10 cardboard reuse		1,170						paper	5 lbs /wk	coTel Field Stud	1,170	0.59
		less 10 Newspaper reuse		234						metal	50 lbs/ 4x yr	coTel Field Stud	234	0.12
		metal drums returned to supplier		9						other	2.5 lbs/ea	USEPA	9	0.00
79		sign maker / graphics	2	NOR & SR ACTIVITIES										
80		dining / game	65	20,340	13,114	0	1,061	0	0	paper	2.2 lbs/med box	USEPA	34,515	17.26
		OCC recycling		4,800						paper	4 lbs/fg box	USEPA	4,800	2.40
		OCC reuse		1,440						paper	150 lbs/6-8 wks	Business	1,440	0.72
		office paper recycling		1,114						metal	2.21 lbs/ea	USEPA	1,114	0.56
		metal buckets replaced by 55 gal drums		4,800						plastic	400 lbs / x12 mo	Business	4,800	2.40
		polyurethane reuse		7,200						other org	3 tons/yr	Business	7,200	3.60
		pallet recycling - 15-20/mo		6,000						other org	100 lbs / every 6 m	Business	6,000	3.00
		scrap wood donated		2,200						other org	50 lbs / every 6 m	Business	2,200	1.10
		scrap fabric donated		1,100						plastic	400 lbs/mo	Business	1,100	0.55
		leather scraps		4,800						paper	2.2 lbs/med box	USEPA	4,800	2.40
		reduced pkg by using scraps		676						paper	2.2 lbs/med box	USEPA	676	0.34
81		clothing / food / shoes	75	3,553	0	0	0	0	0	paper	7.45 lbs/gal	USEPA	3,553	1.76
		OCC reuse		572						other org	2 lbs/wk	Business	572	0.29
		OCC recycling		1,716						paper	1.4 lbs/sm box	USEPA	1,716	0.86
		grease recycling		1,937						paper	2.2 lbs/med box	USEPA	1,937	0.97
		rigid foam reuse		104						plastic	2 lbs/wk	Business	104	0.05
82		retail sportswear	3	286	0	0	0	0	0	paper	1.4 lbs/sm box	USEPA	286	0.14
		OCC recycling - sm		572						paper	2.2 lbs/med box	USEPA	572	0.29
		OCC recycling - med		260						paper	5 lbs ream	USEPA	260	0.13
		W/L Reuse		24,000	0	0	0	0	0	paper	ton/mo	Business	24,000	12.00
83		apparel distribution	240	24,000	0	0	0	0	0	paper	50 lbs/cubic yard	USEPA	24,000	12.00
		OCC recycling		24,000						paper	8 lbs./33 gallons	USEPA	24,000	12.00
84		lumber yard	20	NO QUANTIFIABLE ACTIVITIES						paper	0.77 lbs./gallon	USEPA	2,388	1.95
85		imported furniture	1	NO QUANTIFIABLE ACTIVITIES						paper	40 lbs/ea in system	USEPA	1,600	0.80
86		hospital	175	4,789	0	0	0	0	0	other org	50 lbs/ea in system	USEPA	4,789	2.38
		OCC recycling		3,900						paper	50 lbs/cubic yard	USEPA	3,900	1.95
		Shredded Paper Recycling		208						paper	8 lbs./33 gallons	USEPA	208	0.10
		WP Recycling		661						paper	0.77 lbs./gallon	USEPA	661	0.33
87		paper retail	4	1,600	0	0	0	0	0	other org	40 lbs/ea in system	USEPA	1,600	0.80
		pallet SR - 20/wk		1,600						paper	50 lbs/cubic yard	USEPA	1,600	0.80
88		furniture store	4	7,800	0	0	0	0	0	paper	50 lbs/cubic yard	USEPA	7,800	3.90
		OCC recycling - s		7,800						paper	50 lbs/cubic yard	USEPA	7,800	3.90

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF #	Ben Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)	Recycling	SR	Metals	Year Restricted Pym Began or Ag or Ag	Inerts	Composting	Material Type Conversion Factor (category) (weight per count)	Source	per year	per year
89	textile mill	OCC recycling - s	35	30	6,190	5,710	0	0	0	0	0	paper 2.2 & 4 lbs/box	USEPA	6,220	3.11
		office paper reused for scratch		30		5,710						paper 5 lbs/ every 2mos	USEPA	5,710	2.85
90	auto parts store & cell phones	auto recycling /mo	82	5,930	41,500	480	0	0	0	0	0	other org 40 lbs/ea in system	USEPA	480	0.02
		OCC reuse		5,720								paper 2.2 lbs/med box	USEPA	47,530	0.24
		gas/food reuse		210								paper 30 lbs/ea	USEPA	5,720	23.77
		brakes & cores recycling						same as in 1990 so no credit				metal 2.5 lbs/ea	Business	210	2.86
91	auto parts store	auto recycling - 20-25/wk	42	30,800	41,600		0	0	0	0	0	other org 40 lbs/pallet	USEPA	41,600	0.11
		core recycling			12,344		0	0	0	0	0	metal 3 @ 1200 #/wk	Business	43,144	20.80
		pallet return - 8/wk		640				same as in 1990 so no credit				other org 40 lbs/ea in system	USEPA	0	1.57
		pallet reuse - 7/wk back w/load		14,560								other org 40 lbs/pallet	USEPA	640	0.32
		OCC recycling			12,344							paper 50.08 lbs/cy	USEPA	14,560	7.28
		toilet user / replacing med boxes		7,800								paper .5 lbs/box displace	Tellus	12,344	6.17
		gas/food use		7,800								paper 5 @ 30# gas/food/wk	field estimate	7,800	6.17
92	auto parts store	OCC reuse	6	3,795	572		0	0	0	0	0	paper 1.1 lbs/s/m box	Business	4,388	3.90
		OCC recycling		1,430								paper 2.2 lbs/med box	USEPA	1,430	2.18
		pallet return - 8/wk		640								other org 40 lbs/ea in system	USEPA	572	0.72
		toner cartridge return		10								other org 40 lbs/ea in system	USEPA	640	0.29
93	convenience hospital	duplexing & scratch paper reuse	95	99	0		0	0	0	0	0	other org 40 lbs/ea in system	USEPA	10	0.32
		duplexing & scratch paper reuse		99								paper 15 mw x 2.2 lbs	USEPA	1,716	0.01
94	cutting & sewing	OCC recycling - s	12	1,600	5,200		0	0	0	0	0	paper 5 lbs/ream	USEPA	89	0.86
		pallet return - 8/wk		1,600								other org 40 lbs/ea in system	USEPA	6,800	0.05
		OCC recycling - s			5,200							paper 100 lbs/wk	Business	1,600	3.40
95	transmission repair	OCC reuse - sm	3	0	0		0	0	0	0	0	other org 40 lbs/ea in system	USEPA	5,200	0.80
		metal parts		0				0	0	0	0	paper 2.2 lbs/med box	USEPA	0	2.80
96	distribution center	OCC recycling, loose	48	1040	3,328,000		0	0	0	0	0	metal 200-300 lbs/mo	Business	0	0.00
		OCC reuse		1,040								paper 400 lbs/cubic yard	USEPA	3,328,000	0.45
		plastic ONP transport box repair		0	430							paper 20 lbs/week	Business	1,040	1.68
		uses containers to avoid stretch & tie		0	2,569							plastic ONP box front	Business	0	0.52
97	machine shop	OCC reuse - med	63	24,315	1,406		0	0	0	0	0	other org 40 lbs/ea in system	USEPA	0	0.00
		wood reuse (to return leased machine)		11,880								plastic 3.63 lbs/33 gal	Tellus	4,264	0.02
		OCC reuse - sm		572								other org 329.53 lbs/cy	Tellus	25,721	2.13
		OCC reuse - med		11,883								paper 1.1 lbs/s/m box	USEPA	11,880	12.86
		Shredded Paper Recycling			390							paper 2.2 lbs/med box	USEPA	572	0.29
		WVL recycling			1,016							paper 8 lbs /33 gallons	USEPA	11,883	0.93
98	door mfg.	OCC recycling	8	2,400	2,400		0	0	0	0	0	paper 25.41 lbs/33 gal	USEPA	1,016	0.20
		pallet return - 30/wk		2,400								paper 200 lbs / mo	Business	5,088	0.51
		shredded paper recycling			288							other org 40 lbs/ea in system	USEPA	2,400	2.54
99	restaurant	pie in reuse	30	0	0		0	0	0	0	0	paper 8 lbs/33 gal	USEPA	288	1.20
		OCC recycling		2,800								metal .07 lbs each	Business	91	0.14
100	discount store	OCC recycling	12	2,800	25,500		0	0	0	0	0	paper 500 lbs /rale	Business	29,300	0.05
		OCC recycling			25,500							paper 5 lbs/ream	USEPA	26,000	14.65
		CPO recycling			500							other org 40 lbs/ea in system	USEPA	500	0.25
		pallet return & reuse - 35/wk		2,800								paper 700 lbs/ale	USEPA	2,800	1.40
101	membership grocery & food count	OCC recycling	115	811,000	3,357,000	525,888,000	0	0	0	0	0	paper 7.45 lb/gal	USEPA	910,000	498.48
		grease recycling		88,357.00	25,568.00							other org 40 lbs/ea in system	USEPA	88,357	265.45
		pallet return - 20-30/wk		0.00	2,400.00							other org 40 lbs/ea in system	USEPA	0	44.18
		paper reuse		540								paper 0-1000 / mo @ 0.06	Business	540	0.00
														0.00	0.27

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

Diversion (weight in pounds)

REF #	Ben Type	Activity Description	EMP #	Source Reduction	Recycling	Metals	Year Restricted Prgm Began or M/In/Ag	Inerts or Ag or Ag	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	In Pounds per year	in Tons per year
		bulletins double-sided		45						paper	5 lbs/ream	USEPA	45	0.02
		invoice duplicated		26						paper	5 lbs/ream	USEPA	26	0.01
102		furniture sales - retail	4	854	6,240	0	0	0	0	paper	4 lbs/ lg box	USEPA	7,094	3.35
		OCC recycling			6,240					paper	4 lbs/ lg box	USEPA	6,240	3.12
		OCC reuse		624						paper	4 lbs/ lg box	USEPA	624	0.31
		polystyrene reuse		185						plastic	21.76 lbs / cu yd.	Tellus	185	0.09
		5-gal. buckets reused		46						plastic	1.9 lbs/ea	USEPA	46	0.02
103		fast food restaurant	23	288	18,752	0	0	0	0	paper	50.08 lbs / cu yd.	Tellus	19,040	9.52
		10% la OCC recycling			14,062					paper	40 lbs/ea in system	USEPA	14,062	7.03
		10% la pallet return - 4wk		288						other org	7.45 lb/gal	USEPA	288	0.14
		10% la grease recycling			4,980					other org		USEPA	4,980	2.34
104		fast food	33	13,072	15,600	0	0	0	0	paper	50 lbs/cubic yard	USEPA	15,600	7.80
		OCC recycling			15,600					other org	12.5 lbs/month	Business	150	0.08
		Food Donation		150						paper	14.2 lbs / 33 gallon	coTel Field Stud	12,922	6.46
105		hospital	525	0	113,412	0	0	0	0	paper	363 50 lbs/ cu yd	USEPA	113,412	56.71
		paper recycling			113,412					paper	4 lbs/ lg box	USEPA	113,412	56.71
106		wood chairs mfg.	20	181	0	0	0	0	0	paper	39 lbs/ yr	Business	52	0.03
		5% les OCC reuse		52						paper	40 lbs/ea in system	USEPA	80	0.04
		5% les duplicating & scratch paper reuse		2						plastic	22.55 lb/cy	Tellus	25	0.01
		5% les pallet return - 20wk		80						plastic	1.9 lb/bucket	USEPA	5	0.00
		5% les plastic bag reuse		25						plastic	9.62 lbs / cu yd	Tellus	4	0.00
		5% les 5-gal. buckets reused		5						plastic	3 lbs / 33 gal	USEPA	8	0.00
		5% les foam peanuts reused		4						plastic	2 lbs / wk	Business	5	0.00
		5% les bubble wrap reused		8						paper	5 lbs / ream	USEPA	280	0.13
		5% les foam reused		5						paper	1.1 lbs/sm box	USEPA	572	0.29
107		photocopying services	2	40	832	0	0	0	0	paper	1.1 lbs/sm box	USEPA	40	0.02
		paper recycling			260					paper	4 lb/ lg box	USEPA	7,045	3.52
		OCC recycling - s			572					plastic	2 oz/bag	field estimate	325	0.16
		OCC reuse		40						other org	40 lbs/pallet	USEPA	480	0.24
108		furniture sales - retail	20	325	6,720	0	0	0	0	paper	50 lbs / yr	Business	50	0.03
		OCC recycling			6,240					other org	40 lbs/ea in system	USEPA	200	0.10
		plastic bag reuse		325						other	2.5 lbs / each	USEPA	3	0.00
		pallet recycling - 1mo			480					paper	2.2 lbs/med box	USEPA	109	0.05
109		machine tool repair	4	200	3	0	0	0	0	paper	3 lbs / mo	Business	36	0.02
		metal-recycling								other org	10 lbs / mo	Business	120	0.06
		pallet return - 5/yr		200						paper	5 lbs/ea huge box	Business	3,997,050	1,988.53
		toner cartridge return			3					paper	500 lb/ea bale	Bsn Wt/Avg	15,000	7.50
110		hotel	26	109	0	0	0	0	0	paper	40 lb/ea	USEPA	86,400	43.20
		OCC reuse		109						other org	30 lb/ea	USEPA	208,000	104.00
111		hotel	7	156	0	0	0	0	0	other org	40 lb/ea	USEPA	0	0.00
		paper reuse		36						other org	2 lb/ea case	Business	6,240	3.12
		clothing left behind donated		120						other org	50.0 tons/ea month	Bsn Avg Wt	3,600,000	1,800.00
112		Food Manufacturer	450	3,910,650	24,023,060	0	0	0	0	paper	0.01 lb/ea - low	USEPA	234	0.12
		OCC reuse			86,400					paper	0.01 lb/ea	USEPA	3,276	1.64
		OCC recycle			86,400					other	300+ lb/past 10 yrs	Business	0	0.00
		Pallet repair - 48"x40"		208,000						paper	0.3 lb/box savings	Business	0	0.00
		Pallet reuse - 36"x36"		0						paper		Business	0	0.00
		Pallet reuse - 48"x40"		0						paper		Business	0	0.00
		Food donation / food bank - under w		6,240						paper		Business	6,240	3.12
		Food - reused / pig farm		3,600,000						paper		Business	3,600,000	1,800.00
		WL reduction / on-line time cards		234						paper		Business	234	0.12
		WL reduction / modern faxing								paper		Business		
		no print		3,276						paper		Business	3,276	1.64
		Misc. office - desks & chairs / liquids		0						paper		Business	0	0.00
		OCC reduction / shipping box holds		0	15,600,000					paper		Business	0	0.00

**Agenda Item
Attachment 2b**

- All Generators Surveyed

REF Ben	Activity Description	EMP	Source	Recycling	Metals	Restricted	Inerts	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type	#	Reduction	SR	R	Mt/yr	SR	R	(category)	% x 50 lbroll savin	Business	0	0.00
	Stretch wrap ml. & size reduction @	77,900	0						plastic		Business	0	0.00
113	casno	700	1,811	48,654	780	0	0	0			Business	77,900	24.82
	OCC recycling			26,000					paper	25 tons / wk	Business	49,246	13.00
	WL recycling			5,200					paper	100 lbs / wk	Business	5,200	2.60
	CPO recycling			9,383					paper	1.8 X WL total	Business	8,383	4.89
	paper savings from bulletin board us		146						paper	5 lbs/ream	USEPA	146	0.07
	time cards on computer (swipe card		1,426						paper	25 lbs/card	actual weight	1,426	0.71
	grease recycling		240	6,071					other org	410 lbs/55 gal	USEPA	6,071	3.04
	pallet return - 34wk		240						other org	40 lbs/ea in system	USEPA	240	0.12
114	sewage/electronics	15	1,200	1,300	780	new since 1990	0	0	metal	15 doz/ week x 1 licoTel Field Stud	USEPA	780	0.39
	wood crates reused 2/yr		800						other org	80 lbs/ea 2 in syste	Business	2,500	1.25
	oversize pallets reuse 1/mo		180						other org	pallet in system	Business	160	0.08
	coffee grounds home compost		240						other org	20 lbs/month	Business	240	0.12
115	OCC recycling			1,300					paper	25 lbs/week	Business	1,300	0.65
	reball auto	14	0	17,212	0	0	0	0	other org	8 lbs/pallet	USEPA	17,212	8.61
	OCC recycling - 84wk - 5		572						paper	1.1 lbs/sin box	USEPA	572	0.29
116	glass recycling	19	4,996	12,480	0	0	0	0	paper	50 lbs/cy	USEPA	17,476	8.74
	glass recycling			5,200					glass	100 lbs / wk	Business	5,200	2.60
	pallets reused		160						other org	40 lbs/ea in system	USEPA	160	0.08
	pallet recycling - 5		2,080						other org	40 lbs/pallet	USEPA	2,080	1.04
	shedded paper reuse for pkg		4,576						paper	8 lbs/33gal	USEPA	4,576	2.29
	ps peanuts reuse		260						plastic	1.5 lbs/3 gal	USEPA	260	0.13
117	supermarket	70	40,000	39,244	0	0	0	0	paper	16,000 lb/yr	Bsn Avg Wt Tk	78,244	39.62
	OCC recycling			16,000					other org	40 lbs/ea in system	USEPA	40,000	20.00
	grease recycling			23,244					other org	7.45lbs/gal	USEPA	23,244	11.62
118	roofing supplies	22	32,474	0	0	0	0	0	paper	5 lbs/ream	USEPA	32,474	16.24
	paper resued for scratch		24						other org	40 lbs/ea in system	USEPA	24	0.01
	pallet return - 200wk		32,000						other org	450 lbs/ yr	Business	32,000	16.00
119	misc. roofing mat donated		450						paper	100 lbs / wk	Business	450	0.23
	5% mt reuse paper pkg	25	87,560	24,843	0	0	0	0	paper	1 lb/ea	field estimate	112,203	56.10
	5% mt OCC tube recycling		5,460						paper	1 lb/ea	field estimate	5,460	2.73
	5% mt OCC boxes			6,825					paper	1.1 lb/ea sm. box	USEPA	6,825	3.41
	5% mt pallet return - 35/wk		76,440	18,018					other org	40 lbs/ea in system	USEPA	18,018	9.01
	5% mt packaging reuse-paper		4,095						paper	75 lbs /wk	Business	76,440	38.22
	5% mt packaging reuse-plastic		1,365						plastic	25 lbs wk	Business	4,095	2.05
120	Shoe Store	5	0	0	0	0	0	0				1,365	0.68
121	Manufacture of Nuts & Bolts	285	4,000	0	0	0	0	0	other org	40 lbs/ea in system	USEPA	4,000	2.00
	Pallet return @ 50/wk.		4,000						metal	130 lb/55 gal	Business	0	0.00
122	Machine Shop - Aerospace	6	780	1,892	2,625	0	0	0	paper	2.2 lbs/ea med. box	USEPA	7,697	3.85
	OCC recycling - 5			572					metal	200 lb/mo.	USEPA	572	0.29
	Metal Scrap recycling								metal	200 lb/mo.	Bsn Avg Wt Tk	2,400	1.20
	Metal drum reuse								metal	25 lb/ea	USEPA	2,625	1.31
	OCC reduction / Tote usage								paper	5 lbs/ea box dispacotel Field Stud	USEPA	780	0.39
	Pallet recycling - 5 @ 6/3 mo.								other org	40 lbs/ea in system	USEPA	480	0.24
	Pallet recycling - 5 @ 10/3 mo.								other org	30 lbs/ea in system	USEPA	600	0.30
	Pallet recycling - 5 @ 6/3 mo.								other org	20 lbs/ea in system	USEPA	240	0.12
123	General Merchandise - retail	77	11,293	291,840	0	0	0	0	paper	2.2 lbs/ea med. box	USEPA	303,133	151.57
	OCC reuse		1,430						paper	700 lb/ea	USEPA	1,430	0.72
	OCC recycling - 1			218,400					paper	700 lb/ea	USEPA	218,400	109.20

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

Diversion (weight in pounds)

REF #	Bsn	Activity Description	EMP #	Source Reduction	Recycling	Metals	Year Restricted Prgm Began or M/m/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor	Source	In Pounds per year	In Tons per year
		OCC recycling - 2 - High Season			72,240						700 lb/bale	USEPA	72,240	36.12
		WL recycling			1,200					paper	5 lbs/ream	USEPA	1,200	0.60
		WL reduction / scratch & duplex cop		117						paper	5 lbs/ream	USEPA	117	0.06
		Bubble Wrap reuse / packing		546						plastic	3 lb/33 gal.	USEPA	546	0.27
		Film Plastic reuse / packing		1,498						plastic	4.8 lb/33 gal.	coTel Field Stud	1,498	0.75
		Hanger reuse		6,552						plastic	1 lb/10 hangers, 2x this in 2000	coTel Field Stud	6,552	3.28
		Other - donated goods		350						other	10 lb/box - low	coTel Field Stud	350	0.18
		Pallet return @ 10/wk.		800						other org	40 lb/ea in system	USEPA	800	0.40
124	pizza restaurant		5		399	0	0	0	0	paper	16.64 lbs/cy	Tellus	399	0.20
		OCC recycling			399					paper	8 lb/33 gal.	USEPA	144	0.08
125	OPA & Paralegal		2		10	144		0	0	other	5 lb ea printer car	USEPA	10	0.01
		new in WL Shred - R @ 1.5 - 33 gal/mo			10					other org	40 lb/ea in system	USEPA	143,314	71.66
		new in Toner cart. return @ 1/3 mo.'s			20,800			0	0	metal	25357.14 lb/mo.	Bsn Avg WI Tix	325,896	162.94
126	Distribution / Storage of Household G		15							paper	50 lb/mo.	USEPA	121,714	60.88
		Pallet return @ 10/wk.		800						other	2.5 lb/ea printer car	USEPA	20,800	10.40
		Metal Scrap recycling			20,800					paper	35 lbs/12" stack	USEPA	30	0.02
127	Structural Concrete - Contractors		55							paper	1.1 lbs/sm box	USEPA	721	0.36
		OCC recycling			607					paper	4 lb/ea lg. box	USEPA	607	0.30
128	photofinishing		1		607					paper	16.64 lb/cy - wholecoTel Field Stud	USEPA	114	0.06
		Toner cart. return		114						other org	40 lbs/ea in system	USEPA	23,600	11.80
		ONP recycling			607					paper	2.2 lbs/box	USEPA	22,800	11.40
		OCC reuse		114						other org	40 lbs/pallet	USEPA	800	0.40
128	Relax Store		3		22,800					paper	4 lb/ea lg. box	USEPA	22,085	11.04
		OCC boxes recycled			22,800					paper	1.1 lbs/sm box	USEPA	832	0.42
		Pallet reuse		800						paper	40 lb/ea	USEPA	8,653	4.33
130	Knitting Company		11		9,253					other org	40 lbs/ea in system	USEPA	12,000	6.00
		OCC reuse		832						paper	1.1 lb/ea sm. box	USEPA	7,108	3.55
		OCC recycling - s			6,136					paper	2.2 lb/ea med. box	USEPA	1,144	0.57
		Pallet recycling - s @ 15/yr.			1,144					paper	4 lb/ea lg. box	USEPA	4,576	2.28
		new in plastic pallet reuse - 150/wk			600					paper	2.2 lb/ea med. box	USEPA	416	0.21
131	Electronic - retail		7		6,136					paper	2.2 lb/ea med. box	USEPA	629	0.31
		OCC recycling - s			1,144					paper	1.5 lb/ea box	coTel Field Stud	343	0.17
		OCC recycling - s			4,576					paper	1.1 lb/ea sm. box	USEPA	780	0.39
		OCC recycling - s			416					paper	1.1 lb/ea sm. box	USEPA	0	-
		OCC reuse		629						paper	1.1 lb/ea sm. box	USEPA	2,860	1.43
		OCC reduction / Tote usage		343						paper	1.1 lb/ea sm. box	USEPA	2,860	1.43
132	Donut Shop		3		780					paper	1.1 lb/ea sm. box	USEPA	344,371	172.18
		OCC recycling - s			780					paper	1.1 lb/ea sm. box	USEPA	78,000	39.00
133	Electronic - retail		6		2,860					paper	1.1 lb/ea sm. box	USEPA	82,445	41.22
		OCC recycling - s			2,860					paper	1.1 lb/ea sm. box	USEPA	148,250	73.13
134	Grocery Store		28		91,661					other org	500 lb/ea pallet load	Bsn Avg WI Tix	2,800	1.40
		closing Produce composted			174,710					other org	40 lb/ea box full	Bsn Avg WI Tix	4,000	2.00
		Food donated - Food Bank		82,445						paper	25 lb/ea bale - (low Bsn Avg WI Tix	USEPA	4,160	2.08
		OCC recycling			148,250					other org	40 lb/ea in system	USEPA	2,800	1.40
		chang Pallet return - wood @ 35/wk.		2,800						other org	40 lb/ea in system	USEPA	4,160	2.08
		chang Pallet return - plastic @ 50/wk.		4,000						other org	40 lb/ea in system	USEPA	2,340	1.17
		Pallet recycling - wood @ 2/wk.			4,160					paper	1.5 lb/box displacetoTel Field Stud	USEPA	24	0.01
		chang OCC displaced / Tote usage		2,340						other	2.5 lbs/ea	USEPA	562	0.28
		new in toner cartridge return		24						paper	5 lbs/ream	USEPA	6,240	3.12
		new in WL recycling + 10% scratch		52						plastic	25 lbs/bag	Business	17,550	8.78
		new in stretch wrap recycle			6,240					other org	225 lbs/barrel	Business	910,750	455.38
135	Grocery Store		75		11,570					other org	40 lb / ea in system	USEPA	4,003,190	2,001.60
		new in bone & meat recycled			17,550					other org	40 lb / ea in system	USEPA	8,000	4.00
		Pallet return - wood @ 100/wk.		8,000						other org	40 lb / ea in system	USEPA		

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Agenda Item
Attachment 2b

City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Reduction	Diversion (weight in pounds)	Recycling	SR	Metals	R	Year Restricted Pym Began or Mln/Ag	Inerts	Composting	Material Type Conversion Factor (category)	Source	in Pounds per year	in Tons per year	
		OCC recycle				478,000	604,000								Business	478,000	604,000	238.00
		Stretch wrap recycle				14,540	8,340								Business	14,540	8,340	7.27
		W/L recycle				13,360									Business	13,360		6.88
		W/L reduction / on-line & hand held usage			3,510										Business	3,510		1.76
		Toner cart. return			60										USEPA	60		0.03
		Bone & meat recycled			57,280	63,600									Business	57,280	63,600	28.64
		Produce composted													Business	336,000	302,320	168.00
		Food manufacturer			208	59,948	967,680								Business	1,027,628		513.81
		OCC recycling					104,000								Business	104,000		52.00
		pallet recycling - 400/wk					832,000								USEPA	832,000		416.00
		plastic pallet reuse - 100/wk													USEPA	8,000		4.00
		grease recycling					19,880								USEPA	19,880		9.94
		food spoilage to animal feed			51,948										Tellus	51,948		25.97
		egg shells to animal feed													Tellus	0		-
		litter recycling				12,000									USEPA	12,000		6.00
		potato peels 400 lbs/day													Business			
		Grocery Store			60	14,468	168,000								Business	182,468		91.23
		Pallet return @ 175/wk				14,000									USEPA	14,000		7.00
		OCC recycling				168,000									Business	168,000		84.00
		OCC reduction / Tote usage			468										Business	468		0.23
		Woodwork Shop			1	100									Business	200		0.10
		change wood scrap reuse			100										Business	100		0.05
		verified metal recycling													Business	2,093		1.05
		Plumbing Equipment - retail			15	5,400	8,240								USEPA	12,640		6.32
		OCC recycle					4,160								USEPA	4,160		2.08
		OCC reuse				6,240									USEPA	6,240		3.12
		Pallet recycling - s @ 1/wk.					2,080								USEPA	2,080		1.04
		Pallet reuse/return @ 2/mo.				160									USEPA	160		0.08
		140 Model			2.5	NO R OR SR ACTIVITIES												
		141 Temple & Center			4.5	947	912								Business	1,859		0.93
		OCC reuse				572									USEPA	572		0.29
		W/L recycling					600								USEPA	600		0.30
		W/L reduction / scratch & duplex cop.				360									USEPA	360		0.18
		OMP recycling					312								USEPA	312		0.16
		new in toner cartridge return			15										USEPA	15		0.01
		142 Salad Manufacturer			71	41,030	215,967								Business	26,040		13.42
		OCC recycling					143,967								Tellus	143,967		71.98
		Pallet return/reuse @250/wk.				20,000									USEPA	20,000		10.00
		Pallets recycling - sold @ 150/mo.					72,000								USEPA	72,000		36.00
		OCC reduction / reusable tubes				2,860									USEPA	2,860		1.43
		Plastic 55 gal. reuse				2,800									USEPA	2,800		1.40
		Food donated / food bank				14,400									Tellus	14,400		7.20
		Food recycling (composted)													Business	26,840		13.42
		Paper reduction / labels deleted				1,170									Business	1,170		0.59
		143 Drug Store & General - retail			18	5,730	37,773								Business	43,503		21.75
		Pallets recycling - s @ 14/wk.					29,120								USEPA	29,120		14.56
		OCC recycling					8,653								Tellus	8,653		4.33
		Toner cart. return				10									USEPA	10		0.01
		OCC reduction / tote usage				5,720									USEPA	5,720		2.86
		144 Car Wash			20	228									USEPA	228		0.11
		Plastic 5 gal. buckets donated				228									USEPA	228		0.11
		145 Self Storage Facility			5	8,459									Business	8,459		4.23
		OMP reuse				104									Business	104		0.05
		Pallet reuse / different customers @				8,320									USEPA	8,320		4.16

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Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Reduction		Recycling	Metals	Restricted Pgm Began or M/In/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	Pounds per year	
					Diversion (weight in pounds)	Weight									per year	per year
146	General	Toner Cart. return	104	2,600	66,600	730,000	780,000	0	0	0	0	other	5 lb/ea printer cart	USEPA	15	0.01
		Toner Cart. return										other	5 lb/ea copier cart	USEPA	20	0.01
		OCC recycling				730,000	780,000	0	0	0	0	paper	1000 lb/bale	Business	732,600	846,600
		Food donated / food bank				730,000	780,000	0	0	0	0	other org	204.865 lb/wk.	Business	730,000	780,000
		Pallets return @ 800/wk.				0	64,000	0	0	0	0	other org	40 lb/ea in system	USEPA	0	64,000
147	Restaurant	OCC recycling	3			200	200	0	0	0	0	paper	16.64 lb/cy.	Tellus	200	0.10
		OCC recycling				200	200	0	0	0	0	paper	700 lb/bale	USEPA	178,358	89,18
		OCC recycling				145,600	145,600	0	0	0	0	other org	40 lb/ea in system	USEPA	1,500	0.80
		Pallet return @ 20/wk.				1,600	1,600	0	0	0	0	other	2.5 lb/ea printer cart	USEPA	10	0.01
		Toner cart. return				10	10	0	0	0	0	paper	1.5 lb/box displaced	USEPA	30,600	15,30
		OCC reduction / tote usage				30,600	30,600	0	0	0	0	paper	5 lbs/ream	USEPA	548	0.27
		WL reduction / on-line usage				548	548	0	0	0	0	other org	40 lb/ea in system	USEPA	1,500	0.75
		25% lb Pallets reused @ 25/wk.				1,500	1,500	0	0	0	0	paper	1.1 lb / ea sm. box	USEPA	3,218	1.61
		25% lb OCC recycling - s				3,218	3,218	0	0	0	0	other org	40 lb/ea in system	USEPA	1,500	0.75
149	Shoe Distribution	Pallets recycling @ 20/wk.	30			54,260	10,400	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	10,400	5,20
		OCC reuse				1,600	1,600	0	0	0	0	paper	200 lb/wk.	Business	6,523	3,26
		OCC reuse				31,460	31,460	0	0	0	0	paper	1.1 lb/ea sm. box	USEPA	1,144	0.57
		OCC recycling				10,400	10,400	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	2,288	1.14
151	Restaurant	OCC recycling	8			3,432	3,432	0	0	0	0	plastic	0.1 lb/ea	USEPA	491	0.25
		OCC recycling				1,144	1,144	0	0	0	0	other org	3 lb/wk.	Business	156	0.08
		Plastic reduction / reuse				491	491	0	0	0	0	other org	5 lb/day	Business	1,560	0.78
		Food donated / produce for animals				156	156	0	0	0	0	other org	2 lb/wk.	Business	104	0.05
		Food donated / meat for animals				1,560	1,560	0	0	0	0	other org	2.5 lb/day	Business	780	0.39
		Food donated / food bank				104	104	0	0	0	0	other org	20 lb/ea	USEPA	5,600	2.80
		Food donated / Employees				780	780	0	0	0	0	metal	300 lb/tno.	Business	1,080	0.54
152	Auto Repair	Tires recycling	3			5,600	5,600	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	572	0.29
		Metal Scrap recycling				5,600	5,600	0	0	0	0	paper	8 lb/33 gal.	USEPA	192	0.10
153	Auto Parts - retail	OCC recycling - s	2			572	572	0	0	0	0	other org	7.45 lb/gal.	USEPA	1,960	0.98
		Paper reuse as packing				572	572	0	0	0	0	other org	40 lb/ea in system	USEPA	320	0.16
154	Restaurant	Grease recycling	30			1,640	1,640	0	0	0	0	other org	40 lb/ea in system	USEPA	8,528	4.26
		Pallet return @ 4/wk.				1,640	1,640	0	0	0	0	other org	40 lb/ea in system	USEPA	2,000	1.00
155	Plating Co.	Pallet return @ 1/wk.	25			5,720	5,720	0	0	0	0	paper	1 lb/ea	USEPA	728	0.36
		Pallet reuse @ 25/wk.				2,000	2,000	0	0	0	0	paper	1.1 lb/ea sm. box	USEPA	5,720	2.86
		ONP reuse				728	728	0	0	0	0	other org	40 lb/ea in system	USEPA	2,000	1.00
		OCC recycling				5,720	5,720	0	0	0	0	other org	40 lb/ea in system	USEPA	2,000	1.00
156	Church	NO QUANTIFIABLE ACTIVITIES	10					0	0	0	0	other org	40 lb/ea	USEPA	23,456	11.73
157	Nursing Home	Pallets recycling @ 3/wk.	90			10,829	10,829	0	0	0	0	other org	57.33 lb/wk.	Business	5,979	2.99
		Food donated / employee takes				6,240	6,240	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	4,380	2.19
		OCC recycling				4,380	4,380	0	0	0	0	paper	1.1 lb/ea sm. box	USEPA	2,008	1.00
		OCC recycling				2,008	2,008	0	0	0	0	other	40 lb/ea	Business	440	0.22
		Wheel Chairs donated				440	440	0	0	0	0	other	15 lb/ea	Business	1,200	0.60
		Tables donated				1,200	1,200	0	0	0	0	other	15 lb/ea	Business	1,440	0.72
		Mattress donated				1,440	1,440	0	0	0	0	other	9 lb/ea	Business	450	0.23
		Drapes donated				450	450	0	0	0	0	other	5 lb/ea	Business	480	0.24
		Curtains donated				480	480	0	0	0	0	other	7 lb/ea	Business	840	0.42
		Bulbs & Fixtures donated				840	840	0	0	0	0	other		Business		

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City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF	Ben	Activity Description	EMP	Source	Reduction	Diversion (weight in pounds)	Recycling	SR	Metals	R	Year Restricted Pym Began or Agor Ag	Inerts SR	Composting	Material Type Conversion Factor	Source	per year	per year
#	Type		#								Mt/Yr			(category) (weight per count)			
158	General Merchandise - retail		6		5,460	0	0	0	0	0	0	0	0	1.5 lb/box displaced	Field Stud	5,460	2.73
	OCC displaced / tote usage				5,460												2.73
159	Printing Company		20		9,020	192,000	12,000	0	0	0	0	0	0	50 lb/cy	USEPA	210,620	105.31
	OCC recycling													800 lb/tno.	Business	9,800	4.80
	Alum. Printing Plates recycled				420					9,600	1992			7 lb/ea	cotel Field Stud	420	0.21
	Plastic 30 gal drum reuse				8,000									40 lb/ea in system	USEPA	8,000	4.00
	Pallet reuse @ 100/wk				174,480									363.5 lb/cy	USEPA	174,480	87.24
	WFL recycling				720									60 lb/wk	Business WFL Tick	720	0.36
	OCC reuse @ 100 sm-med boxes				600									5 lb/ea sm-med bicotel Field Stud	USEPA	600	0.30
	Pallet recycle - broken - s @ 10/tno.				4,800									40 lb/ea	USEPA	4,800	2.40
160	Sales & Services of Appliances		14		270	26,660	26,000	0	0	0	0	0	0	500 lb/wk	Business	37,180	18.59
	OCC recycling - s									10,350				5 lbs/ream	USEPA	26,000	13.00
	WFL recycling				280									paper	USEPA	280	0.13
	WFL reduction / scratch & duplex				260									5 lbs/ream	USEPA	260	0.13
	GPO recycling				300									paper	USEPA	300	0.15
	Toner cart. return				10									2.5 lb/ea printer cart	USEPA	10	0.01
	metal appliance recycling									10,350	75% from 1990			13,800 in 2000 is up 75% from '90	Business	10,350	5.18
161	Coffee Shop		8.5		930	0	0	0	0	0	0	0	0	14 lb/ea cup displa	Actual	930	0.47
	Paper reduction / mug usage - chan				109									4.5 lb/day	Business	821	0.41
	Food donation - Salvation Army				821												0.41
162	Plastic Sleeve Manufacture / Election		5		2,680	3,689	1,092	0	0	0	0	0	0	3 lb/day	cotel Field Stud	6,269	3.13
	OCC recycling - s													50 lb/wk	cotel Field Stud	2,680	1.30
	OCC reuse				2,680									1 lb/ea	USEPA	417	0.21
	ONP recycling				417									40 lb/ea	USEPA	2,080	1.04
	Pallets recycling - s @ 1/wk				80									40 lb/ea in system	USEPA	80	0.04
163	Restaurant		8		229	0	0	0	0	0	0	0	0	2.2 lb/ea med box	USEPA	229	0.11
	locks to OCC recycling - s													1.1 lb/ea sm. box	USEPA	0	0
	new in OCC reuse				229												0.11
164	Fast Food Restaurant		7.5		0	4,076	0	0	0	0	0	0	0	2.2 lb/ea med box	USEPA	4,076	2.04
	new in OCC reusable ACTIVITY																2.04
165	Fast Food Restaurant		8		0	4,076	0	0	0	0	0	0	0	2.2 lb/ea med box	USEPA	4,076	2.04
	OCC recycling - s																2.04
166	Grocery Store		32		4,800	276,195	266,640	0	0	0	0	0	0	266,640 lb/yr	Actual Wt. Tick	266,640	133.32
	OCC recycling													50 lb/cu ft.	FEEO	9,555	4.78
	Meat & Fat recycling				4,800									40 lb/ea in system	USEPA	4,800	2.40
	Pallet return @ 60/wk				100									40 lb/ea in system	USEPA	100	0.05
167	Engineering Company		39		80	0	0	0	0	0	0	0	0	2.5 lb/ea in system	USEPA	80	0.04
	Pallet reuse @ 1/tno.				20												0.04
	Toner cart. return				0												0.01
168	towing / vehicle yard		10		NO QUANTIFIABLE ACTIVITIES												0
169	Fast Food Restaurant		30		422	17,154	10,654	0	0	0	0	0	0	7.45 lb/gal.	USEPA	17,154	8.79
	Grease recycling													50 lb/cy.	USEPA	6,500	3.25
	OCC recycling													1.9 lb/ea	USEPA	342	0.17
	Plastic 5 gal bucket reuse				342									40 lb/ea in system	USEPA	80	0.04
170	Fast Food Restaurant		35		80	16,960	6,200	0	0	0	0	0	0	2.2 lb/ea med box	USEPA	6,200	3.10
	Pallet - plastic return @ 1/2wks				80									40 lb/ea in system	USEPA	80	0.04
	OCC recycling													other org			8.47
	Pallet return @ 1/wk. NO LONGER				80									40 lb/ea in system	USEPA	80	0.04
	Grease recycling				10,660									410 lb/55 gal.	USEPA	10,660	5.33
171	Department Store - retail		165		528,400	453,000	431,200	366,000	0	0	0	0	0	700 lb/ea bale	Ben Avg Wt Tk	528,400	253.48
	OCC recycling													700 lb/ea bale	Ben Avg Wt Tk	431,200	184.60
	OCC recycling / extra high season				95,200	84,000											47.60

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City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

Division (weight in pounds)

REF	Bsn	Activity Description	EMP #	Source Reduction	Recycling	Metals	Restricted Prgm Began or M/In/Ag	Inerts or Ag or Ag	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
		Pallet return @ 25/wk.		0	-2,000					other org	40 lb/ea in system	USEPA	0	-2,000
		Toner cart. return		80						other	5 lb/ea printer car	USEPA	50	0.03
		WL reduction do to on-line reports		500						paper	5 lbs/ream	USEPA	500	0.25
172	taxi cab		200		50,400	0	0	0	0	paper	200lbs/month	business estimat	50,400	25.20
		OCC recycling			2,400					paper	50 lbs/cy	USEPA	2,400	1.20
		tire recycling			48,000					other	20lbs/each	USEPA	48,000	24.00
		didn't metal recycling 26000								metal	500lbs/week	business Estima	0	-
173	Art Reproduction		55	1,454	10,400	0	0	0	0	paper	50 lb/cy	USEPA	11,854	5.93
		OCC recycling - s			10,400					paper	40 lb/ea in system	USEPA	10,400	5.20
		Pallet return - s @ 10/wk		800						plastic	1.9 lb/ea	USEPA	800	0.40
		Plastic 5 gal. bucket reuse		494						other org	40 lb/ea in system	USEPA	494	0.25
		Pallets reused @ 2/wk.		160						other org	40 lb/ea in system	USEPA	160	0.08
174	Bindery Company - Books		14	1,000	7,349	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	8,349	4.17
		OCC recycling			686					paper	5 lbs/ea ream	USEPA	120	0.06
		WL recycling			120					paper	363.5 lb/cy	USEPA	6,543	3.27
		MP recycling			6,543					other org	20 lb ea in system	coTel Field Stud	1,000	0.50
		increase Pallets reuse @ 12.5/wk.		1,000						other org	20 lb ea in system	coTel Field Stud	0	-
175	Restaurant		10	NO QUANTIFIABLE ACTIVITIES		0	0	0	0				0	-
		Zero - No R or SR											0	-
176	Restaurant		22	426	21,307	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	21,733	10.87
		OCC reuse		229						other org	7.45 lb/gal.	USEPA	21,307	10.65
		Grease recycling			21,307					plastic	1.9 lb/ea	USEPA	198	0.10
		Plastic 5 gal. bucket reuse		198						paper	2.2 lb/ea med. box	USEPA	17,160	8.58
177	Fast Food Restaurant		10	17,160	0	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	17,160	8.58
		OCC recycling		17,160						metal	226.5 lb/55 gal.	USEPA	320	0.16
178	Machine Shop		1	80	240	0	0	0	0	other org	40 lb/ea in system	USEPA	240	0.12
		didn't Metal Scrap recycling 8154								other org	40 lb/ea in system	USEPA	80	0.04
		Pallet recycling - s or burned - 1 @ 2 mo.		80						other org	40 lb/ea in system	USEPA	38,220	19.11
		Pallet return - 1 @ 2 mo.		3,600	48,620	0	0	0	0	paper	200 lb/wk.	Bsn Avg Wt Tix	10,400	5.20
		base in 2000 Pallet recycling - sold @ 17.5/wk			38,220					plastic	15 lb/ea	coTel Field Stud	3,600	1.80
		OCC recycling		3,600	10,400								0	-
		Plastic 55 gal. return											0	-
180	Snoy Check		3	NO QUANTIFIABLE ACTIVITIES		0	0	0	0				0	-
													0	-
181	Sewing Company		22		572	0	0	0	0	paper	2.2 lb/ea med. box	USEPA	572	0.29
		OCC recycling		320						other org	40 lb/ea in system	USEPA	7,520	3.78
182	Marketing Company / rental trucks		20	320	7,200	0	0	0	0	other org	40 lb/ea in system	USEPA	320	0.16
		Pallet return @ 4/wk		320						other	60 lb/ea truck tire	USEPA	7,200	3.60
183	Bank		70	566	7,200	0	0	0	0	paper	5 lbs/ream	USEPA	4,330	2.15
		Tire recycling / truck			4,330					paper	5 lbs/ream	USEPA	566	0.28
		WL recycling			4,330					paper	8 lb/33 gal.	USEPA	0	-
184	Postal Service		3	0	0	0	0	0	0	plastic	500 lb/ea	Business	107,200	53.60
		WL reduction / scratch & duplex cop		566						paper	30 lb/cy - compacted	USEPA	96,000	48.00
185	Shipping Services		250	6,000	101,200	0	0	0	0	paper	100 lb/wk.	Business	5,200	2.60
		Plastic reduction / reusable bags		6,000						paper	6 lb/ea huge box	Business	62,400	31.20
		OCC recycling			96,000					paper	5 lbs/ream	USEPA	270	0.14
186	Knit Fabric Manufacture		14	2,670	65,600	0	0	0	0	other org	40 lb/ea in system	USEPA	3,200	1.60
		MP recycling			5,200					other org	40 lb/ea in system	USEPA	2,400	1.20
		OCC recycling			62,400					other org	34.8 lb/ea	Business	0	-
		Paper reduction / duplex copies		270									0	-
		Pallet recycling @ 30 / 4.5 - mo.'s			3,200								0	-
		Pallet reuse @ 30 / 4.5 - mo.'s		2,400									0	-
		Pallets - 'green' - reuse @ 80/mo.											0	-
187	Warehouse/Distribution / Auto Parts		23	NO QUANTIFIABLE ACTIVITIES									0	-

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Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)	Recycling	SR	Metals R	Restricted Pym Began Mth/yr	Inerts SR R	Composting	Material Type Conversion Factor (category) (weight per count)	Source	per year	per year
188	Stamping	Pallets recycling @ 4.5/mo. - s	22	3,803	3,014	2,160	0	20,000	0	0	0	other org 40 lbs/ea	USEPA	26,617	13.41
		Pallet repair @ 4/mo.		1,920								other org 40 lbs/ea	USEPA	2,160	1.08
		Toner cart. return		15								other org 2.5 lbs/ea printer car	USEPA	15	0.01
		OCC reuse		180								paper 1.5 lbs/ea	cotefl Field Stud	180	0.09
		Metals recycling						20,000	up 50% / 1990			metal 20,000 lb/yr.	Business	20,000	10.00
		Glass recycling / flat			321							glass 80 lb/cf.	FEECO	321	0.16
		Paper-Metals reels reused		1,688	533							paper 1.25 lbs/ea	cotefl Field Stud	1,688	0.84
		OCC recycling										paper 50 lb/cy	cotefl Field Stud	533	0.27
189	Custom Furniture & Upholstering		2	2,856	0	0	0	0	0	0	0	other 1 lb/pal.	Business	2,856	1.43
190	grocery	Fabric Scrap reuse	120	2,856	610,523	644,997	0	0	0	0	140,400	other 700 lbs/pale	USEPA	765,523	382.76
	OCC recycling				509,600	768,500						paper 7.45 lbs/gallon	USEPA	509,600	254.80
	grease recycling				44,260	440,567						other org 100 lbs/barrel	Business	44,260	22.13
	bone barrel				15,600	3,000						other org 270 lbs/pallet	Vons in Ingewood	15,600	7.80
	food waste / plants/ waxed										140,400	other org 40 lb / ea in system	USEPA	0.00	0.00
	OCC for compost			0.00	22,400							other org 25 lbs/bag	Business	41,063	20.53
	pallet return - 280/wk											plastic 1 lb/cert avg	Business	34,850	15.43
	plastic bags, stretch & plastic				41,063	34,850						other org		14,600	7.30
	food donations			14,600										0	
191	Butcher Distribution & Manufacture		8	NO QUANTIFIABLE ACTIVITIES			0	0	0	0	0			0	
	Zero - No R or SR														
192	Fast Food		28	0	44,679	44,679	0	0	0	0	0	other org 57 lb/cf.	FEECO	44,679	22.34
	Grease recycling													22,34	
193	Aerospace Manufacture		80	3,215	44,679		0	0	0	0	0	other org 40 lbs/ea in system	USEPA	3,215	1.61
	Pallet return @ 40/wk.			3,200								paper 5 lbs/ea copier cart.	cotefl Field Stud	3,200	1.60
	Toner cart. return			15								other org 20 lbs/sm pallet	Field estimate	15	0.01
194	label manufacturing		17	654	5,200		0	227	0	0	0	other org 4 lb/ea	cotefl Field Stud	5,884	2.93
	pallet return - 70% of 10 sm/wk			280								other org 40 lbs/pallet	USEPA	280	0.14
	toner cartridge return			48								other org 1.9 lbs/ea	USEPA	48	0.02
	pallet recycling - 2-3/wk				5,200							metal 226.50 lb/5 gal	USEPA	80	0.04
	plastic bucket reuse			80				0	227			paper 100 lb/yr	Business	0	0.05
	metal plates											paper 500 @ 3 oz boards	Business	100	0.05
	paper savings since computer progr			100								plastic 500 photos @ 1 oz	Business	94	0.02
	reduced use of layout boards			94								paper 0.25 oz / ea	Business	31	0.02
	reduced film use			31										3.239	1.62
	envelope reuse			31										0.55	
195	Savings Bank		15	2,130	1,109		0	0	0	0	0	paper 0.77 lb/gal.	USEPA	3,239	1.62
	W/L recycling				1,109							paper 5 lbs/stream	USEPA	1,109	0.55
	W/L reduction / scratch & duplex @ 2			278								paper 5 lbs/stream	USEPA	278	0.14
	W/L reduction / on-line reports & mai			656								green waste 8.5 tons/acre	USEPA	656	0.33
	Grasscycling			1,134								other 2.5 lbs/ea printer car	USEPA	1,134	0.57
	Toner cart. return - printer			13								other 5 lbs/ea copier cart.	cotefl Field Stud	13	0.01
	Toner Cart. return - copiers			50										0.03	
196	Tire Store		6	1,560	62,400		0	0	0	0	0	other 20 lbs/cert tire	USEPA	63,960	31.20
	Tire recycling				62,400							paper 5 lbs/ea box displac	cotefl Field Stud	62,400	0.78
	OCC reduction / tote usage			1,560								other org 40 lbs/ea	USEPA	1,560	0.17
197	Sandblasting Contractor		2	0	343		0	0	0	0	0	other org 5000 lb/yr	Business	343	2.50
	metal scrap recycling				343							paper 10 lb/wk. - low	Field estimate	5,437	2.72
198	Restaurant		5	0	5,437		0	0	0	0	0	other org 7.45 lb/gal.	USEPA	5,437	2.72
	OCC recycling - s				520							other org		4,917	2.46
	Grease recycling				4,917									7,137	3.57
199	Print Shop		2	772	5,765		0	600	0	0	0	paper 1.1 lbs/ea sm. box	USEPA	572	0.29
	OCC reuse				572										

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Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)			Restricted Prgm Began or Agor	Inerts SR	Composting	Material Typ (category)	Conversion Factor (weight per count)	Source	in Pounds	
					Recycling	Metals SR	R							per year	per year
		Paper recycling			5,453						paper	363.5 lb/gal.	USEPA	5,453	2,73
		ONP recycling			312						paper	1 lb/ea	coTel Field Stud	312	0.16
		Aluminum plate recycling					600	1991			metal	600 lbs/yr	Business	600	0.30
		less in Pallet return @ 2.5/wk		200							other org	4 lb/ea in system	USEPA	200	0.10
200		Furniture Distribution & Manufacture	120	8,000	15,800	0	0	0	0	0				23,800	11,80
		Paper recycling		8,000	15,600						paper	300 lb/wk.	Business	15,600	7,80
201		Auto Repair	4	0	686	0	0	0	0	0	other org	4 lb/ea in system	USEPA	8,000	4.00
		OCC boxes recycled			686						paper	2.2 lbs/box	USEPA	686	0.34
202		Auto body shop	37	0	3,861	0	0	0	0	0	paper	2.2 lbs/box	USEPA	686	0.34
		OCC boxes recycled			3,861						paper	1.1 & 2.2 b boxes	USEPA	3,861	1.93
203		Restaurant	5	0	6,638	0	0	0	0	0	paper	2.2 lbs/box	USEPA	6,638	3.32
		OCC boxes recycled			6,638						paper	2.2 lbs/box	USEPA	1,716	0.86
204		Fast Food Restaurant	5		4,920						other org	7.45 lbs/gal	USEPA	4,920	2.46
		OCC boxes recycled			4,920						paper	2.2 & 4 lb boxes	USEPA	5,818	2.91
205		Restaurant	3	0	5,018	0	0	0	0	0	other org	7.45 lbs/gal	USEPA		
		OCC boxes recycled			5,018						paper	2.2 & 4 lb boxes	USEPA	5,018	2.51
206		Liquor Store	2	343	1,602	0	0	0	0	0	paper	2.2 lbs/box	USEPA	1,144	0.57
		OCC boxes recycled			1,602						other org	7.45 lbs/gal	USEPA	3,874	1.94
207		Fast food restaurant	15	0	2,460	0	0	0	0	0	paper	2.2 lbs/box	USEPA	1,945	0.97
		Grease recycling			2,460						paper	2.2 lbs/box	USEPA		
208		Tire Shop	6	0	72,000	0	0	0	0	0	other org	7.45 lbs/gal	USEPA	2,460	1.23
		Scrap Metal Recycling			72,000						metal	50 lb/wk.	Business	72,000	36,00
209		donut shop	3	0	0	0	0	0	0	0	Other	20 lbs/tire	USEPA	0	0.00
		No activity			0									0	-
210		Beauty Supply Store	2	0	1,128	0	0	0	0	0	paper	2.2 & 4 lb boxes	USEPA	1,128	0.56
		OCC boxes recycled			1,128						paper	2.2 & 4 lb boxes	USEPA	1,128	0.58
211		Restaurant	3	0	7,046	0	0	0	0	0	paper	2.2 lbs/box	USEPA	7,046	3.52
		OCC boxes recycled			7,046						other org	7.45 lbs/gal	USEPA	1,716	0.86
212		Restaurant	4	0	5,992	0	0	0	0	0	paper	2.2 lbs/box	USEPA	5,330	2.67
		OCC boxes recycled			5,992						other org	7.45 lbs/gal	USEPA	5,892	2.95
213		Restaurant	26	0	105,300	0	0	0	0	0	paper	2.2 lbs/box	USEPA		
		OCC boxes recycled			105,300						other org	7.45 lbs/gal	USEPA	105,300	52.65
214		Beauty Supply	2	0	58,110	0	0	0	0	0	paper	1.1 & 2.2 lb boxes	USEPA		
		OCC boxes recycled			58,110						other org	7.45 lbs/gal	USEPA	2,288	1.14
215		Meat Market	3	0	9,776	0	0	0	0	0	paper	2.2 lbs/box	USEPA	2,288	1.14
		OCC boxes recycled			9,776						paper	2.2 lbs/box	USEPA	8,776	4.89
216		Nail Shop	4	0	686	0	0	0	0	0	paper	100 lbs/wk	Business	4,576	2.29
		OCC boxes recycled			686						other org	2.2 lbs/box	Business	5,200	2.60
217		Liquor Store	2	0	3,159	0	0	0	0	0	paper	2.2 lbs/box	USEPA	686	0.34
		OCC boxes recycled			3,159						paper	2.2 lbs/box	USEPA	686	0.34
218		Retail Bakery	3	760	9,756	0	0	0	0	0	paper	1.1 & 2.2 & 4 lb boxes	USEPA	3,159	1.58
		OCC boxes recycled			9,756						paper	2.2 & 4 lb boxes	USEPA	3,159	1.58
219		Bicycle Shop	2	0	1,144	0	0	0	0	0	paper	2.2 & 4 lb boxes	USEPA	10,556	5.27
		OCC boxes recycled			1,144						other org	7.45 lbs/gal	USEPA	4,836	2.42
220		Dept Store	5	0	5,720	0	0	0	0	0	other org	15 lbs/wk	Business	4,920	2.46
		OCC boxes recycled			5,720						paper	2.2lbs/box	USEPA	780	0.39
221		Health Food Store	2	0	572	0	0	0	0	0	paper	2.2lbs/box	USEPA	780	0.39
		OCC boxes recycled			572						paper	2.2 lbs/box	USEPA	5,720	2.86
													USEPA	572	0.29

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City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Diversion Recycling (weight in pounds)	SR	Metals R	Year Restricted Pym Began or Agor Ag M/yr/Ag	Inerts SR R	Composting	Material Type Conversion Factor (category) (weight per count)	Source	per year	per year
222	Furniture Store	OCC boxes recycled	2	0	4,160	0	0	0	0	0	paper 4 lbs/box	USEPA	4,160	2.08
223	Drug Store	OCC boxes recycled	3	4,118	806	0	0	0	0	0	paper 2.2 & 4 lb boxes	USEPA	4,924	2.46
		OCC boxes recycled			806	0	0	0	0	0	paper 2.2 lbs/box	USEPA	4,118	2.06
224	Grocery Store	OCC boxes recycled	35	4,118	192,400	0	0	0	0	0	paper 500 lbs/pallet - low	Business	192,400	97.48
		OCC boxes recycled			182,000	0	0	0	0	0	paper 40 lbs/pallet	USEPA	182,000	91.00
		Pallet reuse			2,000	0	0	0	0	0	other org 100 lbs/drum full	Business	2,000	1.00
		Grease recycling			10,400	0	0	0	0	0	paper 2.2 lbs/box	USEPA	572	0.28
225	Restaurant	OCC reduction / tole usage	3	572	14,658	0	0	0	0	0	paper 2.2 lbs/box	USEPA	14,658	7.33
		OCC boxes recycled			4,004	0	0	0	0	0	paper 7.45 lbs/gal	USEPA	3,432	1.72
226	Liquor Store	Grease recycling	2	0	10,634	0	0	0	0	0	paper 2.2 lbs/box	USEPA	3,432	1.72
		OCC boxes recycled			3,432	0	0	0	0	0	paper 2.2 lbs/box	USEPA	3,432	1.72
227	Fast Food Rest	OCC boxes recycled	3	0	3,604	0	0	0	0	0	paper 2.2 lbs/box	USEPA	3,604	1.80
		Grease recycling			1,144	0	0	0	0	0	paper 7.45 lbs/gal	USEPA	1,144	0.57
228	Fast Food rest	OCC boxes recycled	17	520	2,460	0	0	0	0	0	paper 2.2 lbs/box	USEPA	2,460	1.23
		OCC boxes recycled			2,860	0	0	0	0	0	paper 2.2 lbs/box	USEPA	2,860	1.43
		Grease recycling			67,795	0	0	0	0	0	other org 10 lbs/sk	Business	520	0.26
229	Meat Market	OCC boxes recycled	2	0	6,633	0	0	0	0	0	paper 2.2 lbs/box	USEPA	6,633	3.32
		Grease recycling			4,917	0	0	0	0	0	paper 7.45 lbs/gal	USEPA	4,917	2.46
230	Liquor Store	OCC boxes recycled	3	686	12,870	0	0	0	0	0	paper 1.1 & 2.2 lb boxes	USEPA	13,556	6.78
		OCC reduction / tole usage			12,870	0	0	0	0	0	paper 1.1 lbs/box	USEPA	12,870	6.44
231	Fast Food Restaurant	Grease Recycling	3	686	4,920	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	4,920	2.46
232	Restaurant	Grease Recycling	14	0	2,460	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	2,460	1.23
233	Restaurant	Grease Recycling	6	0	2,460	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	2,460	1.23
234	Auto Parts	Grease Recycling	7	1,373	2,460	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	2,460	1.23
235	Supermarket	OCC boxes reused	48	4,400	343,720	0	0	0	0	0	paper 2.2 lbs/box	USEPA	1,373	0.69
		OCC recycling			312,000	0	0	0	0	0	paper 400 lbs/pallet	Business	343,720	174.06
		Pallet reuse			21,320	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	4,400	2.20
		Meat Bone/Recycle			10,400	0	0	0	0	0	other org 40 lbs/55 gal drum	Business	21,320	10.66
236	Tire Store	OCC boxes recycled	6	0	192,348	0	0	0	0	0	paper 2.2 lbs/box	USEPA	192,348	96.17
		Times recycled			5,148	0	0	0	0	0	other 20 lbs/each	USEPA	2,600	1.30
237	Fast Food Restaurant	OCC recycling	20	0	2,600	0	0	0	0	0	paper 50 lbs/cu yd	USEPA	2,600	1.30
238	Fast Food Restaurant	OCC recycling	12	0	5,330	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	5,330	2.67
239	Gas Station	OCC boxes recycled	3	0	2,860	0	0	0	0	0	paper 2.2 lbs/box	USEPA	2,860	1.43
240	Liquor Store	OCC boxes recycled	3	0	2,574	0	0	0	0	0	paper 1.1 & 2.2 lb boxes	USEPA	2,574	1.29
241	Fast food restaurant	OCC recycle	10	0	4,917	0	0	0	0	0	paper 2.2 lbs/box	USEPA	4,917	2.46
		Grease recycling			4,917	0	0	0	0	0	other org 7.45 lbs/gal	USEPA	4,917	2.46
242	Car Wash	OCC reuse	25	1,144	0	0	0	0	0	0	paper 2.2 lbs/box	USEPA	1,144	0.57
243	Relax Market	OCC boxes recycled	3	1,144	1,144	0	0	0	0	0	paper 2.2 lbs/box	USEPA	1,144	0.57
244	Fast Food restaurant		5	0	17,810	0	0	0	0	0	paper 2.2 lbs/box	USEPA	17,810	8.91

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Attachment 2b

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)		Metals		Restricted Pym Began or Agor Ag		Composting	Material Type (category)	Conversion Factor (weight per count)	Source	in Pounds		in Tons per year
					Recycling	SR	SR	R	M/Int/Ag	SR					per year	per year	
		OCC recycle				6,188								USEPA	6,188		3.09
		Grease recycling				11,622								USEPA	11,622		5.81
245	Adult Entertainment		20			3,356	0			0		other org	7.45 lbs/gal	USEPA	3,356		1.68
		OCC recycling				1,716								USEPA	1,716		0.86
		Grease recycling				1,640								USEPA	1,640		0.82
246	Fast food restaurant		10			1,144	0			0		other org	7.45 lbs/gal	USEPA	1,144		0.57
		OCC recycling				1,144								USEPA	1,144		0.57
247	Liquor		2			1,716	0			0		paper	2.2 lbs/box	USEPA	1,716		0.86
		OCC recycling				1,716								USEPA	1,716		0.86
248	Retail Market		2			3,003	0			0		paper	2.2 lbs/box	USEPA	3,003		1.50
		OCC boxes recycled				3,003						paper	1.1 & 2.2 lb boxes	USEPA	3,003		1.50